11/10/92

Globe-Wels
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BNA02162942
HDMSe00351625

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
92110225

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: Bravo Tower 2 effluent
Requested Analysis: VOA
Sampler: L. Collins Sampler ID#: 5232

Received: 11/10/92
Sampled: 11/10/92 @ 8:15:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: L. R. C.
Rocketdyne SSFL Analytical Chemistry

SIGNED: Vonnie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162943

HDMSe00351626

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number 92110196

TO: Rocketdyne Environmental Protection
Requester: Sodium Disposal Fac.
Dept/Group: 025-000 MAIL: T886 PHONE: 382-5922

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: Tank E280992 Sodium Disposal Facility
Requested Analysis: VOA
Received: 11/06/92
Sampler: P. Pollock Sampler ID#: 92-886-134A Sampled: 11/05/92 @ 13:00:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	7.9	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	79	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: L. R. C. J.
Rocketdyne SSFL Analytical Chemistry

SIGNED: Connie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162944

HDMSe00351627

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number 92110179

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: Trip Blank
Requested Analysis: VOA
Sampler: L. Collins Sampler ID#: 5211
Received: 11/06/92
Sampled: 11/06/92 @ 7:15:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: J. A. C. J.
Rocketdyne SSFL Analytical Chemistry

SIGNED: Vonnie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162945

HDMSe00351628

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
92110125

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: Trip Blank
Requested Analysis: VOA
Sampler: L. Collins Sampler ID#: 5204

Received: 11/05/92
Sampled: 11/05/92 @ 10:30:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: J. R. C
Rocketdyne SSFL Analytical Chemistry

SIGNED: Vonnie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162946

HDMSe00351629

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
92110096

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: Field Blank
Requested Analysis: VOA, dup
Sampler: L. Collins Sampler ID#: 5198

Received: 11/04/92
Sampled: 11/04/92 @ 11:00:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: L. R. C.
Rocketdyne SSFL Analytical Chemistry

SIGNED: Vonnie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162947

HDMSe00351630

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
92110124

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: UV H2O2 Batch Tank 4
Requested Analysis: VOA
Received: 11/05/92
Sampler: L. Collins Sampler ID#: 5207 Sampled: 11/05/92 @ 10:50:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: J. R. C. *Rocketdyne SSFL Analytical Chemistry*

SIGNED: Vonnie Douglas *Rocketdyne SSFL Analytical Chemistry*

BNA02162948

HDMSe00351631

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
92110228

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: Area I Road Tower 2 effluent
Requested Analysis: VOA, dup
Received: 11/10/92
Sampler: L. Collins Sampler ID#: 5235 Sampled: 11/10/92 @ 9:25:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: L. R. C
Rocketdyne SSFL Analytical Chemistry

SIGNED: Vonnie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162949

HDMSe00351632

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number 92110224

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: Alfa Tower 2 effluent
Requested Analysis: VOA
Received: 11/10/92
Sampler: L. Collins Sampler ID#: 5230 Sampled: 11/10/92 @ 7:45:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: L. R. C.
Rocketdyne SSFL Analytical Chemistry

SIGNED: Vonnie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162950

HDMSe00351633

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
92110229

TO: Rocketdyne Environmental Protection
Requester: Alan Nelson
Dept/Group: 543-000 MAIL: JA16 PHONE: 392-5305

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/11/92

SAMPLE INFORMATION

Sample Descrption: Canyon Tower 2 effluent
Requested Analysis: VOA
Sampler: L. Collins Sampler ID#: 5236

Received: 11/10/92
Sampled: 11/10/92 @ 9:55:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/11/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: L. R. C. *Rocketdyne SSFL Analytical Chemistry*

SIGNED: Vonnie Douglas *Rocketdyne SSFL Analytical Chemistry*

BNA02162951

HDMSe00351634

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number 92110235

TO: Rocketdyne Environmental Protection
Requester: Daniel Trippeda
Dept/Group: 027-000 MAIL: TO59 PHONE: 382-5356

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/11/92

SAMPLE INFORMATION

Sample Descrption: BLD 300 Trip Blank
Requested Analysis: Voa
Sampler: F. Jaramillo Sampler ID#: 1 Blank

Received: 11/10/92
Sampled: 11/09/92 @ 10:55:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/11/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	N.D.	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: J. R. Gift
Rocketdyne SSFL Analytical Chemistry

SIGNED: Vonnie Douglas
Rocketdyne SSFL Analytical Chemistry

BNA02162952

HDMSe00351635

SSFL ANALYTICAL CHEMISTRY

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number 92110238

TO: Rocketdyne Environmental Protection
Requester: Daniel Trippeda
Dept/Group: 027-000 MAIL: TO59 PHONE: 382-5356

REPORT DATE: 11/11/92
DATE OF ANALYSIS: 11/10/92

SAMPLE INFORMATION

Sample Descrption: TO59
Requested Analysis: Voa, dup
Sampler: F. Jaramillo Sampler ID#: 4

Received: 11/10/92
Sampled: 11/09/92 @ 11:14:00

ANALYTE per SW-846, #8240	RESULT, ug/L	MDL	MCL
Date Extracted	11/10/92		
1,1,1-Trichloroethane (TCA)	N.D.	0.8	200
1,1,2,2-Tetrachloroethane	N.D.	0.5	1.0
1,1,2-Trichloroethane	N.D.	0.5	32
1,1-Dichloroethane	N.D.	1.1	5.0
1,1-Dichloroethylene	N.D.	0.8	6.0
1,2-Dichlorobenzene	N.D.	0.6	130
1,2-Dichloroethane	N.D.	0.2	0.5
1,2-Dichloroethylene (cis)	N.D.	0.2	6.0
1,2-Dichloroethylene (trans)	N.D.	0.4	10
1,2-Dichloropropane	N.D.	0.8	5.0
1,3-Dichlorobenzene	N.D.	0.6	130
1,3-Dichloropropene (cis)	N.D.	0.6	0.5
1,3-Dichloropropene (trans)	N.D.	0.5	0.5
1,4-Dichlorobenzene	N.D.	1.0	5.0
Acetone	N.D.	7.9	N.S.
Benzene	N.D.	0.7	1.0
Bromodichloromethane	N.D.	0.6	See Note
Bromoform	N.D.	0.5	See Note
Bromomethane	N.D.	1.0	N.S.
Carbon Tetrachloride	N.D.	0.5	0.5
Chloroethane	N.D.	1.0	N.S.
Chloroform	N.D.	0.8	See Note
Chloromethane	N.D.	0.6	N.S.
Dibromochloromethane	N.D.	0.4	See Note
Ethylbenzene	N.D.	0.8	680
Freon 113	N.D.	0.8	N.S.
Methylene Chloride	N.D.	2.9	40
Monochlorobenzene	N.D.	0.6	30
Tetrachloroethylene	4.6	0.8	5.0
Toluene	N.D.	0.7	100
Trichloroethylene (TCE)	N.D.	0.6	5.0
Trichlorofluoromethane	N.D.	0.8	150
Vinyl Chloride	N.D.	0.4	0.5
Xylenes (Total)	N.D.	1.4	1750

SPECIFICATION: Title 22 ((Drinking Water) Method SW846 8240)
SPECIAL NOTES: (1) Total Trihalomethane Maximum Contamination Level = 100 ug/L

COMMENTS:

APPROVED: *Rocketdyne SSFL Analytical Chemistry*

SIGNED: Vonnie Douglas *Rocketdyne SSFL Analytical Chemistry*

BNA02162953

HDMSe00351636

SURROGATE RECOVERY
METHOD 8240

FILENAME	SURROGATE 1 (1,2-DCA-d4)	SURROGATE 2 (Tol- d8)	SURROGATE 3 (BFB)	SAMPLE DESCRIPTION
7K1010	116	99	105	BLANK
7K1011	108	101	100	T-E280992
14	114	101	97	92110~~2~~191
15	118	101	101	232
16	115	100	99	225
17	120	99	101	229
18	122	100	101	224
19	116	101	101	228
20	119	104	102	238
21	114	102	98	124
22	119	104	99	096
23	119	100	97	125
9R	117	103	100	179
99				

Comments: _____

ANALYST V Douglas DATE 11/11/92

REVIEWED BY JRC DATE 11/11/92

BNA02162954

HDMSe00351637

Q.C. SUMMARY SHEET

DATE 11/10/92

Q.C. SUMMARY	YES	NO	COMMENTS
ALL SAMPLES WITHIN 12 HR.	✓		
BFB PASSED	✓		2
CBCHK PASSED	✓		1 + 5pt
INT STD RT SHIFT <0.5 SEC			
INT STD AREAS 50-150%			
TICS QUANTITATED			NONE
SURR RECOVERY WITHIN LIMITS			
MS/MSD WITHIN LIMITS			Due to A/S problems NO MS/MSD
ALL REPORTS READY	✓		WAS ~~READY~~ NOT ANALYZED
SAMPLES NEED TO BE REPEATED	✓		92110191 232 due to A/S problems

GC/MS OPERATOR V Douglas DATE 11/11/92

REVIEWED BY J R C DATE 11/11/92

BNA02162955

HDMSe00351638

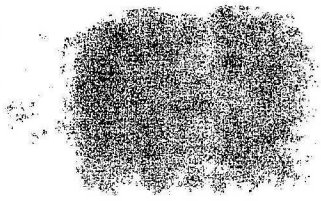
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 12:14
Output File: ^K10%%::QT Injected at: 921111 01:49
Data File: ^K10%%::D4 Dilution Factor: 1.00000
Name: ~~XXXXXXXXXXUBA~~ 9211023J Instrument ID: 5996B
Misc: ~~BLANK SPIKE~~ BC06 300 BIK

ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 09:23 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.86	424	9893	50.00	ug/L	100
9)	Methylene Chloride	9.65	285	795	~~2.05 ug/L~~ <DL		94
15)	1,2-Dichloroethane-d4 (Surr)	13.87	468	23337	57.28	ug/L	86
17)	*1,4-Difluorobenzene	14.58	499	49705	50.00	ug/L	95
29)	*Chlorobenzene-d5	20.21	743	39715	50.00	ug/L	95
33)	Toluene-d8 (Surr)	17.35	619	50436	49.45	ug/L	88
37)	Bromofluorobenzene (Surr)	22.57	845	23532	50.02	ug/L	98

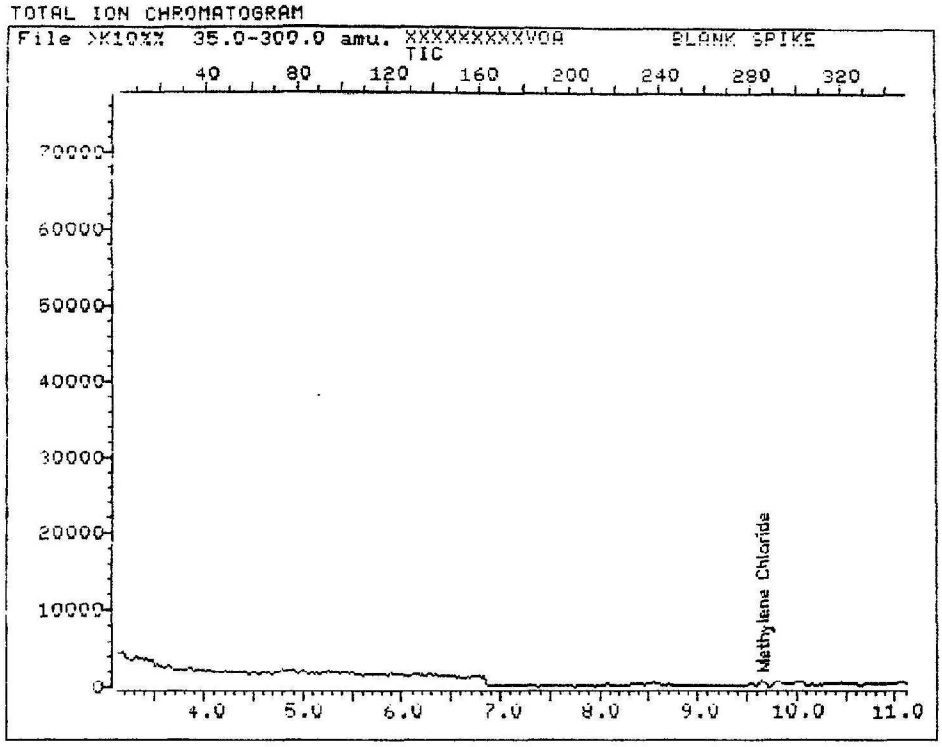
* Compound is ISTD



BNA02162956

HDMSe00351639

TOTAL ION CHROMATOGRAM



Data File: >K10%%::D4 Quant Output File: ^K10%%::QT
Name: XXXXXXXXXVOA Instrument ID: 5996B
Misc: BLANK SPIKE

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 09:23 Last Qcal Time: <none>

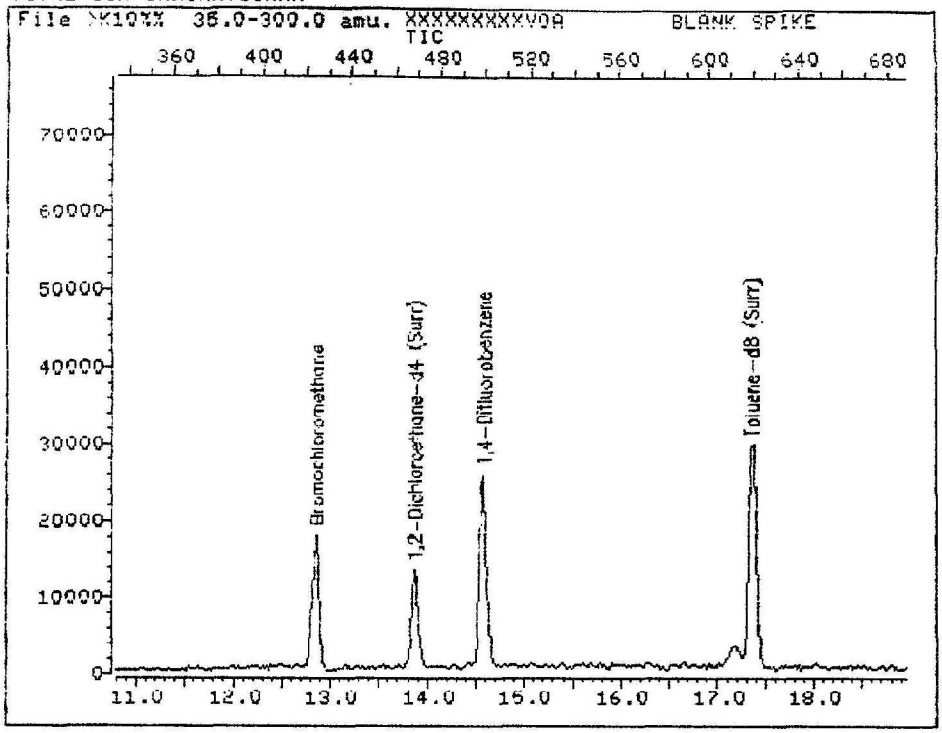
Operator ID: VONNIE
Quant Time : 921111 12:14
Injected at: 921111 01:49

Page 1 of 3

BNA02162957

HDMSe00351640

TOTAL ION CHROMATOGRAM



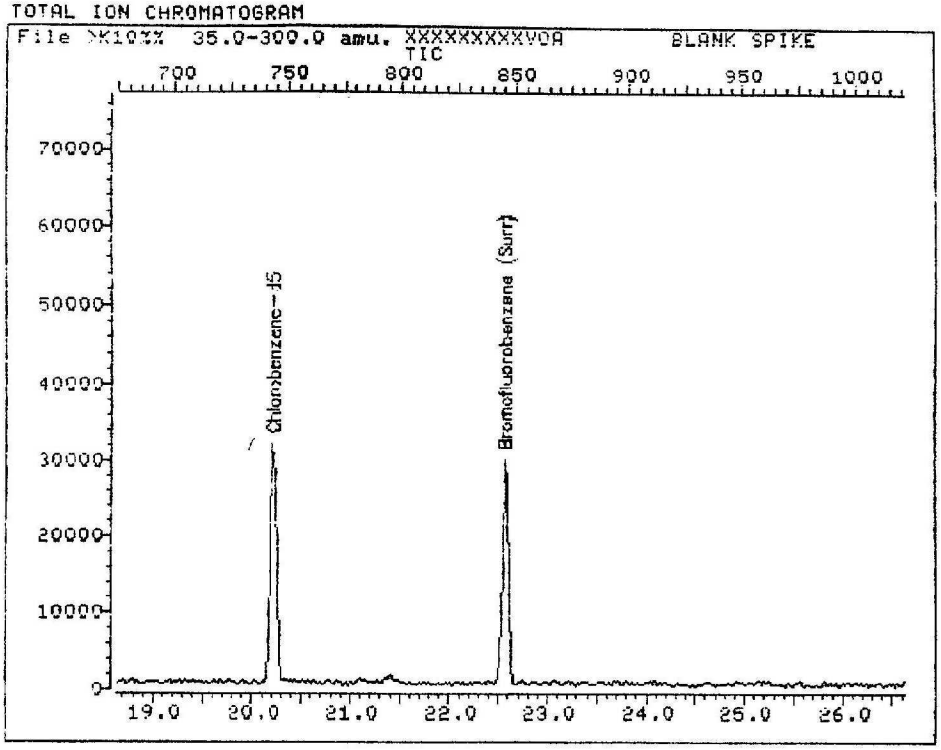
Data File: >K10%%::D4 Quant Output File: ^K10%%::QT
Name: XXXXXXXXXVOA Instrument ID: 5996B
Misc: BLANK SPIKE

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 09:23 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 12:14
Injected at: 921111 01:49

BNA02162958

TOTAL ION CHROMATOGRAM



Data File: >K10%%::D4 Quant Output File: ^K10%%::QT
Name: XXXXXXXXXVOA Instrument ID: 5996B
Misc: BLANK SPIKE

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 09:23 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 12:14
Injected at: 921111 01:49

BNA02162959

HDMSe00351642

Operator ID: VONNIE
Output File: ^K1007::D1
Data File: >K1007::D4
Name: XXXXXXXXUOA
Misc: 20 UG/L CBCHK

Quant Rev: 7 Quant Time: 921110 14:43
Injected at: 921110 14:16
Dilution Factor: 1.00000
Instrument ID: 5996B

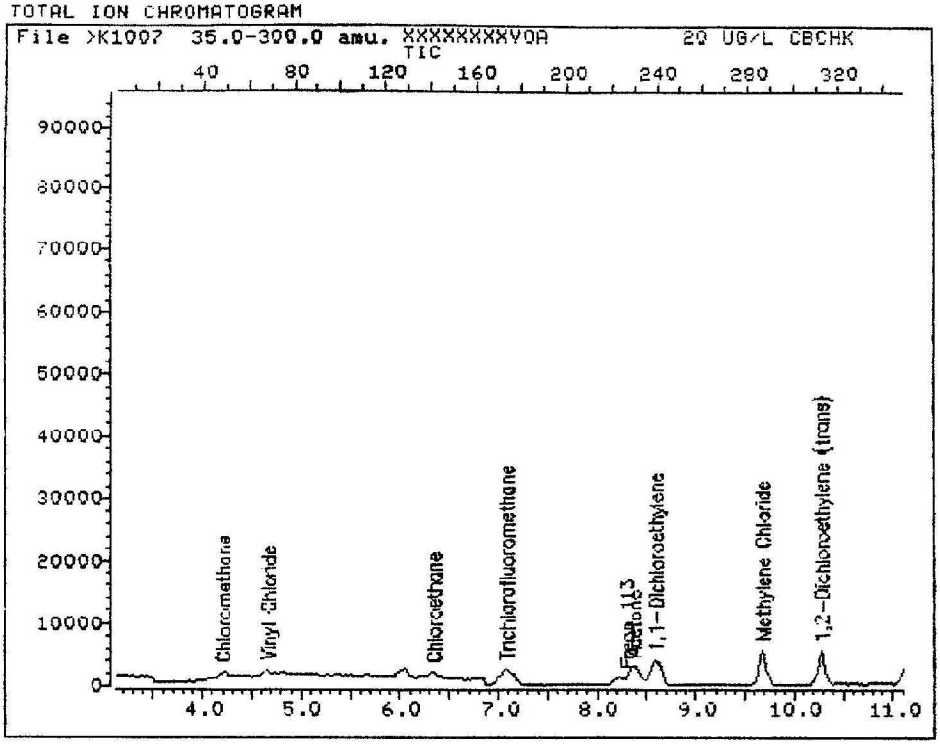
ID File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	12.88	128.0	12637	50.00	ug/L	100
2)	Freon 113	8.30	101.0	1098	1.88	ug/L	86
3)	Chloromethane	4.20	50.0	3001	11.64	ug/L	95
5)	Vinyl Chloride	4.66	62.0	3906	9.61	ug/L	94
6)	Trichlorofluoromethane	7.08	101.0	10150	14.19	ug/L	90
7)	Chloroethane	6.34	64.0	2712	8.86	ug/L	95
8)	1,2-Dichloroethylene (trans)	10.27	96.0	5201	12.54	ug/L	97
9)	Methylene Chloride	9.68	84.0	6246	13.69	ug/L	94
10)	Acetone	8.37	43.0	11843	78.65	ug/L	86
11)	1,1-Dichloroethylene	8.60	96.0	5482	15.40	ug/L	90
12)	1,1-Dichloroethane	11.13	63.0	9565	12.28	ug/L	97
13)	1,2-Dichloroethylene (cis)	12.30	96.0	4161	10.74	ug/L	94
14)	Chloroform	12.60	83.0	9035	11.35	ug/L	98
15)	1,2-Dichloroethane-d4 (Surr)	13.89	65.0	27467	52.90	ug/L	86
16)	1,2-Dichloroethane	14.08	62.0	8388	11.63	ug/L	95
17)	*1,4-Difluorobenzene	14.61	114.0	59949	50.00	ug/L	96
18)	1,1,1-Trichloroethane (TCA)	13.34	97.0	8854	12.17	ug/L	87
19)	Carbon Tetrachloride	13.80	117.0	8353	12.23	ug/L	83
20)	Bromodichloromethane	15.97	83.0	7767	10.11	ug/L	98
21)	1,2-Dichloropropane	15.53	63.0	5404	12.08	ug/L	89
22)	1,3-Dichloropropene (cis)	16.93	75.0	7615	10.86	ug/L	96
23)	Trichloroethylene (TCE)	15.21	130.0	5570	11.36	ug/L	95
24)	Dibromochloromethane	19.13	129.0	5548	9.34	ug/L	98
25)	1,1,2-Trichloroethane	18.13	97.0	4478	11.07	ug/L	91
26)	Benzene	14.12	78.0	16042	11.68	ug/L	89
27)	1,3-Dichloropropene (trans)	17.81	75.0	7957	10.38	ug/L	84
28)	Bromoform	22.14	173.0	4082	9.20	ug/L	96
29)	*Chlorobenzene-d5	20.23	117.0	48781	50.00	ug/L	97
30)	Tetrachloroethylene	18.76	164.0	4799	10.79	ug/L	95
31)	1,1,2,2-Tetrachloroethane	22.40	83.0	5992	9.75	ug/L	86
32)	Toluene	17.53	92.0	10668	10.76	ug/L	98
33)	Toluene-d8 (Surr)	17.40	98.0	62648	50.90	ug/L	88
34)	Monochlorobenzene	20.30	112.0	11611	10.48	ug/L	98
35)	Ethylbenzene	20.39	106.0	6619	11.20	ug/L	94
36)	Xylenes (Total)	20.53	106.0	15789	27.23	ug/L	99
37)	Bromofluorobenzene (Surr)	22.58	95.0	28414	46.09	ug/L	89
38)	1,3-Dichlorobenzene	24.84	146.0	10348	9.66	ug/L	98
39)	1,4-Dichlorobenzene	25.07	146.0	10564	10.01	ug/L	91
40)	1,2-Dichlorobenzene	25.92	146.0	9506	9.98	ug/L	93

* Compound is ISTD

BNA02162960

TOTAL ION CHROMATOGRAM



Data File: >K1007::D4 Quant Output File: ^K1007::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 20 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

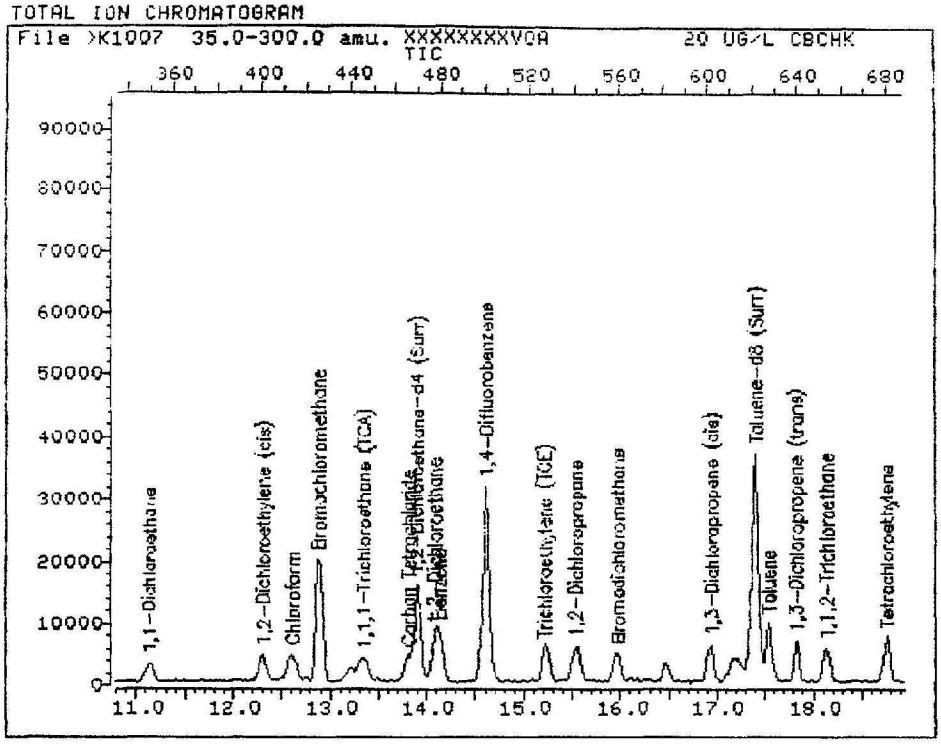
Operator ID: VONNIE
Quant Time : 921110 14:43
Injected at: 921110 14:16

Page 1 of 3

BNA02162961

HDMSe00351644

TOTAL ION CHROMATOGRAM



Data File: >K1007::D4 Quant Output File: ^K1007::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 20 UG/L CBCHK

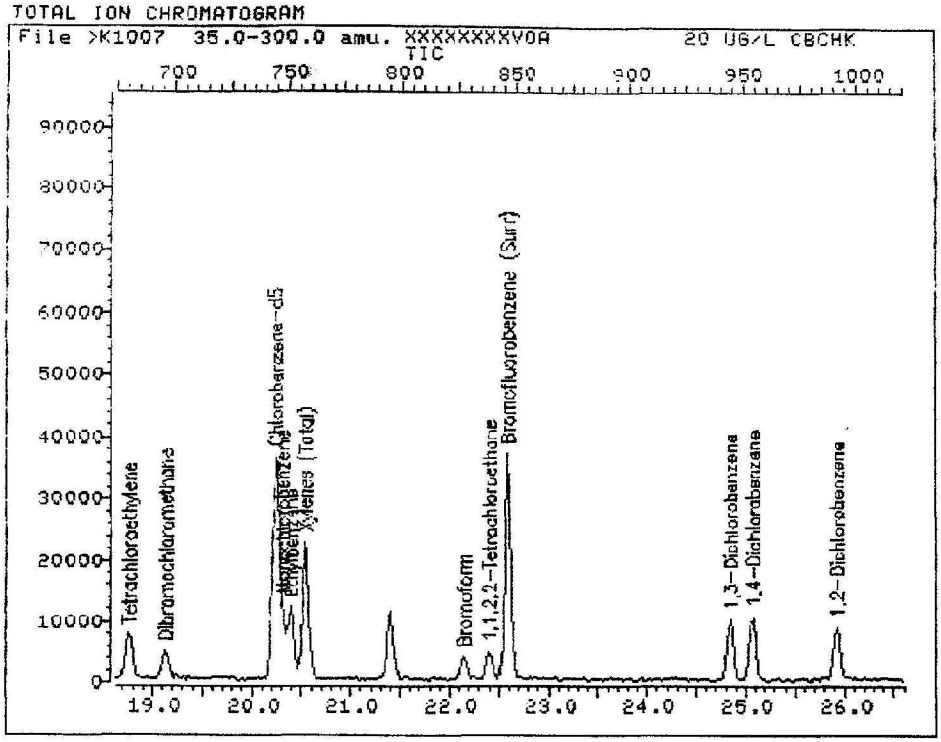
Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 14:43
Injected at: 921110 14:16

BNA02162962

HDMSe00351645

TOTAL ION CHROMATOGRAM



Data File: >K1007::D4 Quant Output File: ^K1007::D1
Name: XXXXXXXXV0A Instrument ID: 5996B
Misc: 20 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 14:43
Injected at: 921110 14:16

BNA02162963

HDMSe00351646

Calibration Report

Title: Vonnie's Awesome 5 Point Calibration Curve
Calibrated: 921110 14:48

Compound	Files: >K1007 RF 10.00	>K1006 RF 20.00	>K1005 RF 50.00	>K1003 RF 100.00	>K1004 RF 200.00	$\overline{\overline{RRT}}$	$\overline{RF}$	% RSD
Freon 113	.43444	.46142	.55409	.57008	.50335	.644	.50468	11.522
Chloromethane	1.18739	1.19987	1.36440	1.35369	1.33633	.327	1.28833	6.764
Bromomethane	-	1.23181	1.31516	1.40086	1.28359	.468	1.30786	5.420
Vinyl Chloride	1.54546	1.61869	1.71863	1.80582	1.68704	.361	1.67513	5.903
Trichlorofluoromethane	4.01598	3.50341	3.67475	3.67234	3.39502	.550	3.65230	6.444
Chloroethane	1.07304	1.11912	1.19092	1.28870	1.20555	.491	1.17547	7.071
1,2-Dichloroethylene (trans)	2.05785	1.85952	1.91742	1.84815	1.66565	.798	1.86972	7.558
Methylene Chloride	2.47131	2.00362	1.89823	1.78944	1.61908	.751	1.95634	16.413
Acetone	4.68584	4.65589	4.82300	5.99864	4.70824	.651	4.97432	11.581
1,1-Dichloroethylene	2.16903	1.74807	1.79761	1.80292	1.62724	.667	1.82897	11.089
1,1-Dichloroethane	3.78452	3.29133	3.40523	3.27265	3.05621	.865	3.36199	7.966
1,2-Dichloroethylene (cis)	1.64636	1.53635	1.54912	1.46393	1.34234	.955	1.50762	7.491
Chloroform	3.57482	3.02690	3.18862	3.05839	2.77656	.978	3.12506	9.355
1,2-Dichloroethane-d4 (Surr)	10.8677	5.05697	2.18212	.99128	.48358	1.079	3.91633	109.059
1,2-Dichloroethane	3.31883	2.85086	2.97217	2.84874	2.59168	1.092	2.91645	9.062
1,1,1-Trichloroethane (TCA)	.73846	.65071	.64258	.65418	.60231	.913	.65765	7.557
Carbon Tetrachloride	.69668	.61352	.61991	.65641	.59670	.945	.63664	6.285
Bromodichloromethane	.64780	.61071	.61935	.67241	.60578	1.092	.63121	4.467
1,2-Dichloropropane	.45072	.39499	.39685	.41893	.38133	1.063	.40856	6.644
1,3-Dichloropropene (cis)	.63512	.59197	.60882	.64474	.59445	1.158	.61502	3.882
Trichloroethylene (TCE)	.46456	.42512	.42983	.45362	.41139	1.042	.43690	4.967
Dibromochloromethane	.46273	.44162	.49000	.51442	.47557	1.309	.47687	5.768
1,1,2-Trichloroethane	.37348	.32315	.33391	.33538	.30033	1.241	.33325	7.953
Benzene	1.33797	1.23186	1.24257	1.30146	1.18633	.966	1.26004	4.749
1,3-Dichloropropene (trans)	.66365	.64141	.65061	.70275	.64699	1.220	.66108	3.735
Bromoform	.34046	.31879	.35756	.40123	.36491	1.516	.35659	8.589
Tetrachloroethylene	.49189	.46697	.47737	.50976	.46037	.927	.48127	4.131
1,1,2,2-Tetrachloroethane	.61417	.56616	.59663	.62550	.54840	1.107	.59017	5.482
Toluene	1.09346	1.02271	1.00148	1.08880	.98226	.867	1.03774	4.897
Toluene-d8 (Surr)	6.42135	3.12485	1.27212	.65568	.32577	.860	2.35995	106.580
Monochlorobenzene	1.19811	1.06836	1.12150	1.16292	1.05800	1.004	1.12018	5.142
Ethylbenzene	.67644	.58836	.60857	.65485	.57827	1.008	.62170	6.960
Xylenes (Total)	1.61836	1.48963	1.49271	1.54981	1.33712	1.015	1.49752	6.936
Bromofluorobenzene (Surr)	2.91240	1.43949	.59827	.30230	.15002	1.116	1.08050	105.409
1,3-Dichlorobenzene	1.06066	.97154	1.05469	1.14233	1.00152	1.228	1.04615	6.248
1,4-Dichlorobenzene	1.08280	1.01962	1.07607	1.13625	1.01338	1.239	1.06562	4.748
1,2-Dichlorobenzene	.97435	.93412	.98769	1.06608	.93677	1.281	.97980	5.466

RF - Response Factor (Subscript is amount in ug/L)

$\overline{\overline{RRT}}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

BNA02162964

HDMSe00351647

Calibration Check Report

Title: Vonnie's Awesome 5 Point Calibration Curve
Calibrated: 921110 14:48

Check Standard Data File: >K1009
Injection Time: 921110 15:34

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Freon 113	.50468	.45917	9.02	Average	
Chloromethane	1.28833	1.20001	6.86	Average	
Bromomethane	1.30786	1.20853	7.59	Average	
Vinyl Chloride	1.67513	1.62832	2.79	Average	
Trichlorofluoromethane	3.65230	3.09898	15.15	Average	
Chloroethane	1.17547	1.13805	3.18	Average	
1,2-Dichloroethylene (trans)	1.86972	1.59749	14.56	Average	
Methylene Chloride	1.95634	1.60147	18.14	Average	
Acetone	.49743	.42599	14.36	Average	(Conc=1000.00)
1,1-Dichloroethylene	1.82897	1.52203	16.78	Average	
1,1-Dichloroethane	3.36199	2.89856	13.78	Average	
1,2-Dichloroethylene (cis)	1.50762	1.32691	11.99	Average	
Chloroform	3.12506	2.86410	8.35	Average	
1,2-Dichloroethane-d4 (Surr)	2.05907	1.96025	4.80	Average	(Conc=50.00)
1,2-Dichloroethane	2.91645	2.52560	13.40	Average	
1,1,1-Trichloroethane (TCA)	.65765	.59115	10.11	Average	
Carbon Tetrachloride	.63664	.56896	10.63	Average	
Bromodichloromethane	.63121	.55805	11.59	Average	
1,2-Dichloropropane	.40856	.36382	10.95	Average	
1,3-Dichloropropene (cis)	.61502	.55292	10.10	Average	
Trichloroethylene (TCE)	.43690	.38235	12.49	Average	
Dibromochloromethane	.47687	.43702	8.36	Average	
1,1,2-Trichloroethane	.33325	.28396	14.79	Average	
Benzene	1.26004	1.15997	7.94	Average	
1,3-Dichloropropene (trans)	.66108	.61262	7.33	Average	
Bromoform	.35659	.32790	8.04	Average	
Tetrachloroethylene	.48127	.45683	5.08	Average	
1,1,2,2-Tetrachloroethane	.59017	.51785	12.25	Average	
Toluene	1.03774	.95295	8.17	Average	
Toluene-d8 (Surr)	2.35995	.64614	72.62	Average	
Monochlorobenzene	1.12018	1.05281	6.01	Average	
Ethylbenzene	.62170	.55641	10.50	Average	
Xylenes (Total)	.49917	.46142	7.56	Average	(Conc=300.00)
Bromofluorobenzene (Surr)	.59224	.60616	2.35	Average	(Conc=50.00)
1,3-Dichlorobenzene	1.04615	.97891	6.43	Average	
1,4-Dichlorobenzene	1.06562	.98564	7.51	Average	
1,2-Dichlorobenzene	.97980	.90963	7.16	Average	

RF - Response Factor from daily standard file at 100.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

BNA02162965

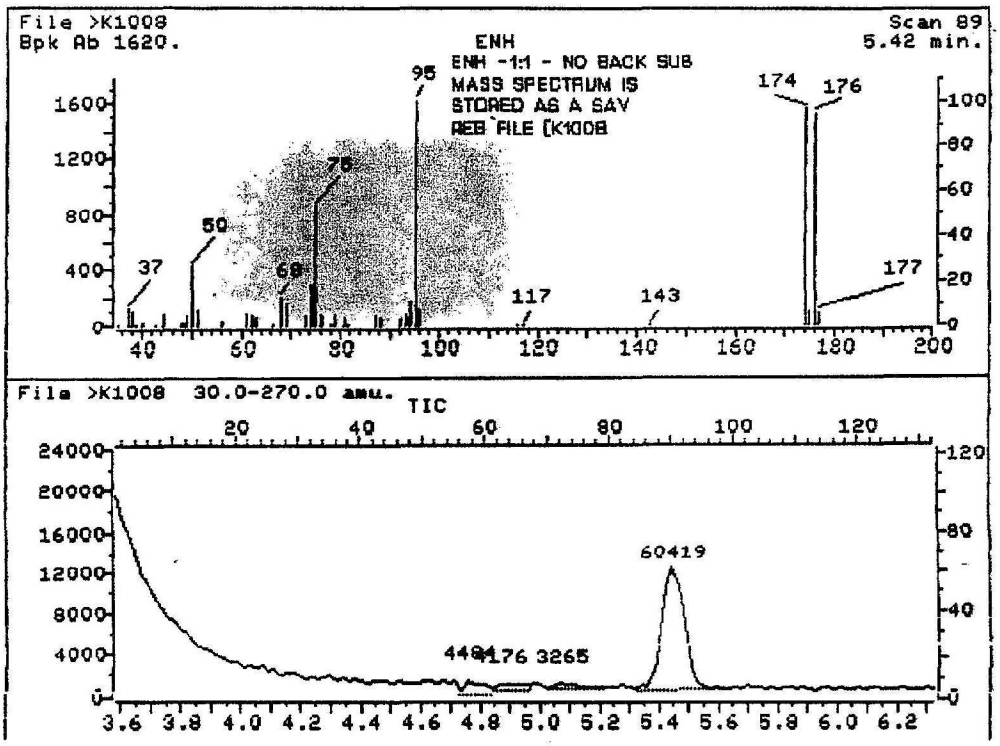
HDMSe00351648

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

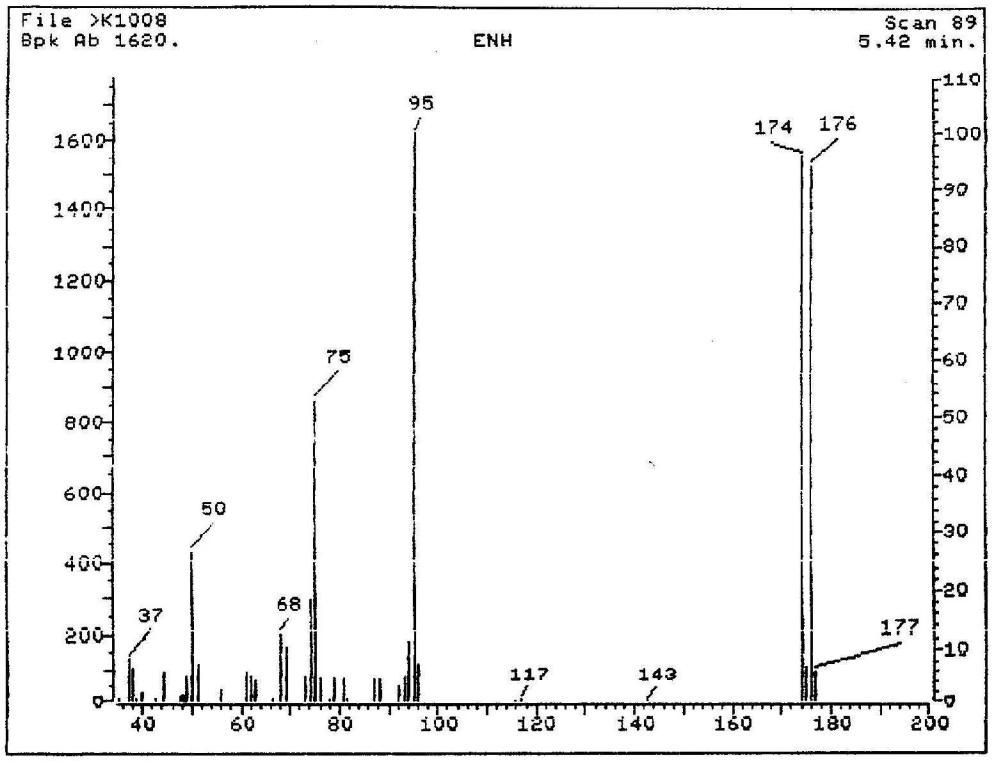
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	26.55	26.55	Ok
75	30-60% of mass 95	53.30	53.30	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.12	7.12	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	95.95	95.95	Ok
175	5-9% of mass 174	6.71	6.99	Ok
176	95-101% of mass 174	94.13	98.11	Ok
177	5-9% of mass 176	5.93	6.30	Ok

Injection Date: 11/10/92
Injection Time: 15:05
Data File: >K1008
Scan: 89

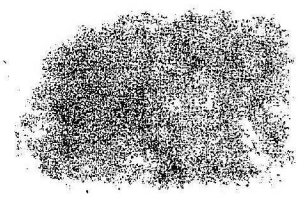


BNA02162966
HDMSe00351649

Instrument ID: 5996B Analyzed on: 11/10/92 15:05



Instrument ID: 5996B Analyzed on: 11/10/92 15:05



BNA02162967

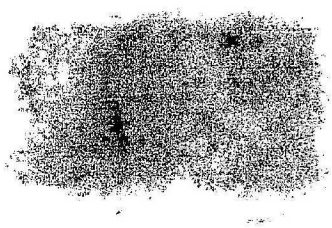
HDMSe00351650

>K1008
89 NRM ENH

File: >K1008 Scan #: 89 Retn. time: 5.42

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
31.10	19.531	47.80	1.091	63.10	4.198	78.95	4.569	96.05	7.121
32.10	16.217	48.00	1.297	66.50	.268	80.85	4.342	115.65	.206
35.40	.329	48.40	.967	68.10	12.472	81.65	.329	116.85	.473
37.10	8.088	49.10	4.713	69.10	10.208	86.95	4.487	142.85	.309
38.10	6.565	50.10	26.549	73.10	4.836	88.05	4.404	174.05	95.946
38.70	.453	51.10	7.080	74.10	18.378	92.25	3.128	175.05	6.709
40.00	1.749	56.10	2.511	75.10	53.303	93.15	4.651	176.05	94.135
42.50	.288	61.10	5.783	76.05	4.589	94.05	11.113	177.05	5.927
44.10	5.742	62.10	4.795	78.05	.473	95.05	100.000		

Instrument ID: 5996B Analyzed on: 11/10/92 15:05

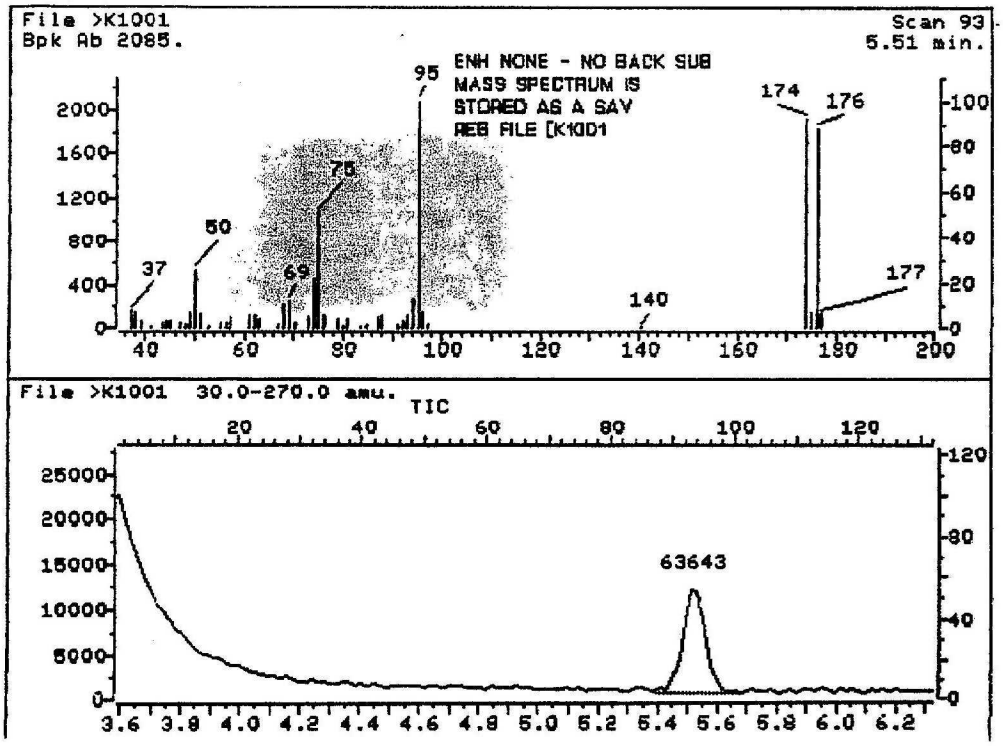


BNA02162968

HDMSe00351651

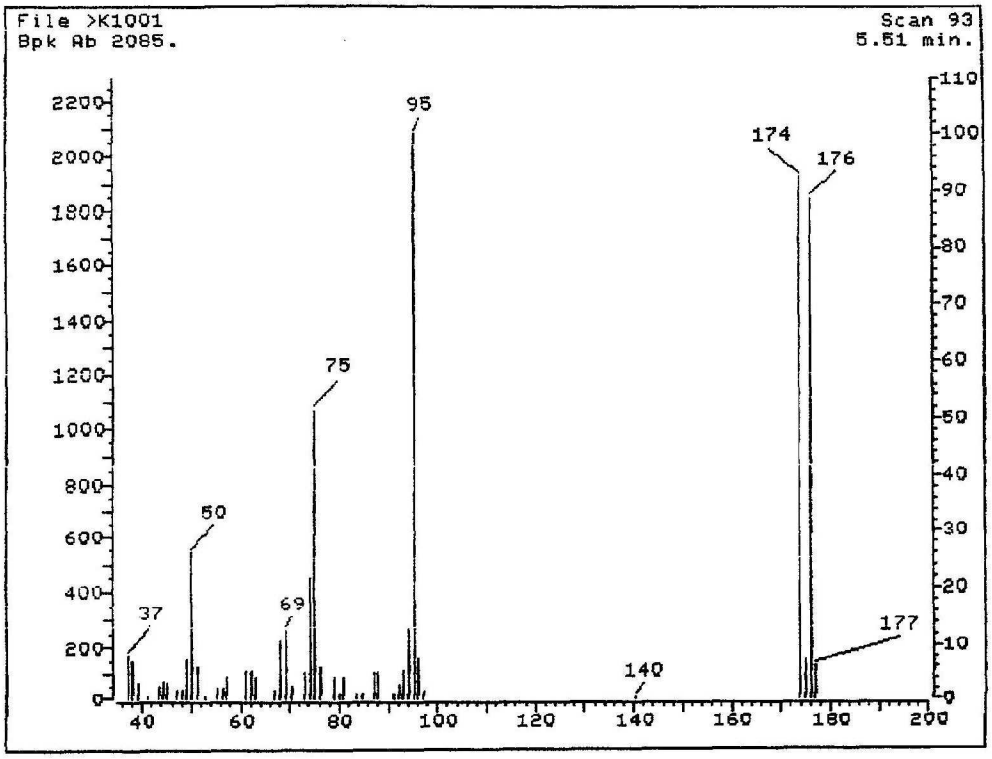
96	5-9% of mass 95	7.48		
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	92.28	92.28	Ok
175	5-9% of mass 174	7.19	7.80	Ok
176	95-101% of mass 174	88.30	95.69	Ok
177	5-9% of mass 176	6.09	6.90	Ok

Injection Date: 11/10/92
Injection Time: 07:28
Data File: >K1001
Scan: 93



BNA02162969
HDMSe00351652

Instrument ID: 5996B Analyzed on: 11/10/92 7:28



Instrument ID: 5996B Analyzed on: 11/10/92 7:28

BNA02162970

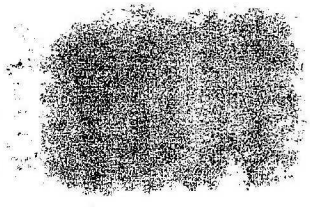
HDMSe00351653

>K1001
93 NRM

File: >K1001 Scan #: 93 Retn. time: 5.51

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
31.20	14.293	48.00	1.679	63.10	4.077	80.05	.959	94.05	12.854
32.10	13.861	49.10	7.626	67.00	1.871	80.95	3.981	95.05	100.000
37.10	8.058	50.10	26.091	68.10	10.983	83.35	.863	96.05	7.482
38.20	7.050	51.10	6.137	69.10	12.422	84.75	1.151	97.15	1.391
39.10	3.118	52.70	.480	70.20	2.398	87.05	5.228	140.45	.480
41.00	.480	55.00	2.206	73.10	4.988	87.85	5.324	173.95	92.278
43.30	2.302	56.20	2.254	74.10	21.583	90.75	1.151	174.95	7.194
44.10	3.453	57.20	4.508	75.10	51.511	91.25	.911	176.05	88.297
45.10	3.022	61.10	5.420	76.05	6.043	92.05	2.734	177.05	6.091
47.10	1.918	62.10	5.372	78.95	3.981	93.05	5.659		

Instrument ID: 5996B Analyzed on: 11/10/92 7:28



BNA02162971

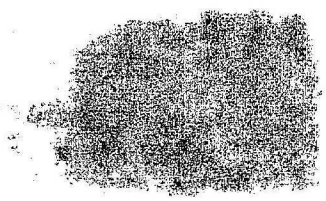
HDMSe00351654

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	26.09	26.09	Ok
75	30-60% of mass 95	51.51	51.51	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.48	7.48	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	92.28	92.28	Ok
175	5-9% of mass 174	7.19	7.80	Ok
176	95-101% of mass 174	88.30	95.69	Ok
177	5-9% of mass 176	6.09	6.90	Ok

Injection Date: 11/10/92
Injection Time: 07:28
Data File: >K1001
Scan: 93



BNA02162972

HDMSe00351655

Sequence File: BS1111::SC

Tune File: APEI01

CR List: D4,D1
CR Cut-off: 1000 blocks.

Number of samples: 16

Samp No.	Data File / Method File	Sample Name / Misc Data	Sample Bottle	Report Data Archive: Quant Size / Quant	ID Archive: Output Archive / Quant ID / Quant Output
001)	>K1010	XXXXXXXXVOA	-1	3 Y M N N N N	ID_K10::SC
	GC_RES	BLANK		Dil=1.00000	^K1010::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
002)	>K1011	~~XXXXXXXXVOA~~ 196	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	~~BLANK~~ Na Bi Pit		Dil=1.00000	^K1011::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: ~~Only types:~~TM				
003)	>K1012	92110191VOA	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	T P6678 NA BURN PIT		Dil=1.00000	^K1012::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
004)	>K1013	92110232VOA 191	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	WS5 H202 UV EFF		Dil=1.00000	^K1013::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
005)	>K1014	92110225VOA 191	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	BRAVO EFF		Dil=1.00000	^K1014::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
006)	>K1015	92110229VOA	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	CANYON EFF		Dil=1.00000	^K1015::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
007)	>K1016	92110224VOA	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	ALFA EFF		Dil=1.00000	^K1016::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
008)	>K1017	92110228VOA	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	AREA 1 RD EFF		Dil=1.00000	^K1017::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
009)	>K1018	92110238VOA	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	T059		Dil=1.00000	^K1018::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
010)	>K1019	92110124VOA	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	UV BATCH T-4 EFF		Dil=1.00000	^K1019::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				
	REPRT OPTIONS: Only types:TM				
011)	>K1020	92110096VOA	-1	3 Y E N N N N	ID_K10::SC
	GC_RES	FIELD BLANK		Dil=1.00000	^K1020::D1
	REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#				

BNA02162973

HDMSe00351656

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      REPRT OPTIONS: Only types:TM
012) >K1021        92110125V0A              -1    3 Y E N N N    ID_K10::SC
      GC_RES        TRIP BLANK                    Dil=1.00000    ^K1021::D1
      REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#
      REPRT OPTIONS: Only types:TM
013) >K1022        92110179V0A              -1    3 Y E N N N    ID_K10::SC
      GC_RES        TRIP BLANK                    Dil=1.00000    ^K1022::D1
      REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#
      REPRT OPTIONS: Only types:TM
014) >K1023        92110235V0A              -1    3 Y E N N N    ID_K10::SC
      GC_RES        BLDG 300 BLANK                Dil=1.00000    ^K1023::D1
      REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#
      REPRT OPTIONS: Only types:TM
015) >K10%R        XXXXXXXXXV0A             -1    3 Y E N N N    ID_K10::SC
      GC_RES        BLANK SPIKE                   Dil=1.00000    ^K10%R::D1
      REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#
      REPRT OPTIONS: Only types:TM
016) >K10%%        XXXXXXXXXV0A             -1    3 Y E N N N    ID_K10::SC
      GC_RES        BLANK SPIKE                   Dil=1.00000    ^K10%%::D1
      REPRT OPTIONS: Label Meth:1, B option, 3 page TIC, Qion replaces Scan#
      REPRT OPTIONS: Only types:TM

End of sequence file.
```

BNA02162974

HDMSe00351657

QUANT REPORT Page 1

Operator ID: VONNIE
Output File: ^K1002::D1
Data File: >K1002::D1
Name: XXXXXXXXVOA
Misc: 100 UG/L CBCHK

Quant Rev: 7 Quant Time: 921110 08:27
Injected at: 921110 08:00
Dilution Factor: 1.00000
Instrument ID: 5996B

ID File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

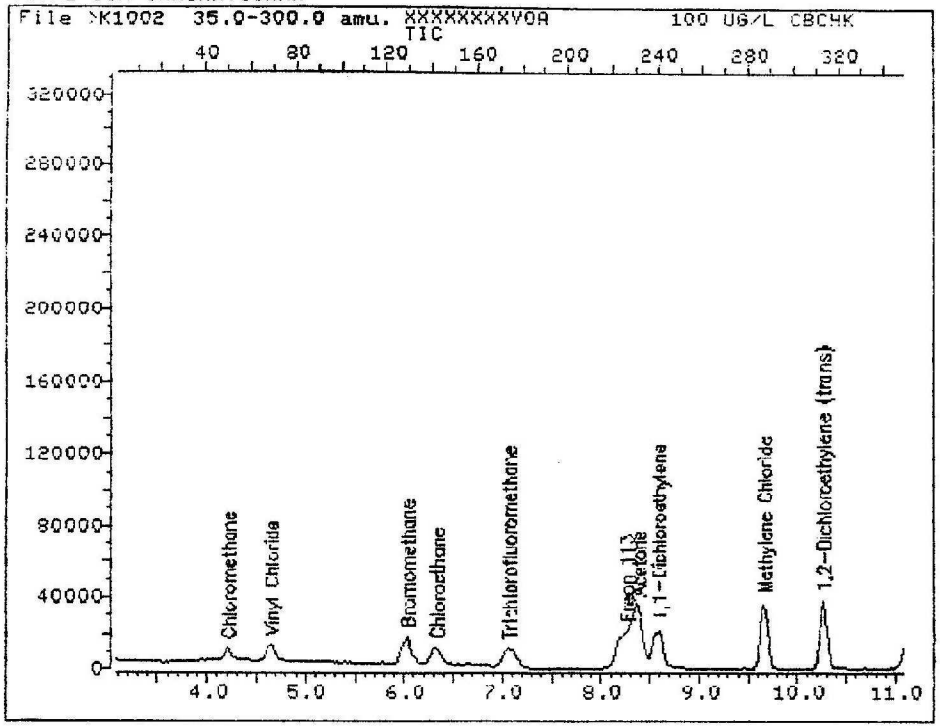
	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	12.87	128.0	14662	50.00	ug/L	100
2)	Freon 113	8.27	101.0	48518	71.63	ug/L	99
3)	Chloromethane	4.21	50.0	21262	71.08	ug/L	96
4)	Bromomethane	6.03	94.0	32724	81.26	ug/L	88
5)	Vinyl Chloride	4.65	62.0	35543	75.39	ug/L	92
6)	Trichlorofluoromethane	7.07	101.0	50464	60.82	ug/L	89
7)	Chloroethane	6.33	64.0	30870	86.91	ug/L	96
8)	1,2-Dichloroethylene (trans)	10.27	96.0	37651	78.21	ug/L	97
9)	Methylene Chloride	9.67	84.0	41737	78.85	ug/L	91
10)	Acetone	8.38	43.0	140768	805.76	ug/L	81
11)	1,1-Dichloroethylene	8.59	96.0	27703	67.07	ug/L	93
12)	1,1-Dichloroethane	11.12	63.0	75477	83.51	ug/L	95
13)	1,2-Dichloroethylene (cis)	12.30	96.0	37051	82.41	ug/L	91
14)	Chloroform	12.59	83.0	89044	96.43	ug/L	94
15)	1,2-Dichloroethane-d4 (Surr)	13.89	65.0	29082	48.28	ug/L	86
16)	1,2-Dichloroethane	14.07	62.0	72880	87.09	ug/L	94
17)	*1,4-Difluorobenzene	14.60	114.0	68965	50.00	ug/L	94
18)	1,1,1-Trichloroethane (TCA)	13.33	97.0	72348	86.44	ug/L	79
19)	Carbon Tetrachloride	13.82	117.0	70816	90.12	ug/L	88
20)	Bromodichloromethane	15.96	83.0	81575	92.29	ug/L	93
21)	1,2-Dichloropropane	15.52	63.0	50085	97.36	ug/L	92
22)	1,3-Dichloropropene (cis)	16.91	75.0	79581	98.64	ug/L	94
23)	Trichloroethylene (TCE)	15.20	130.0	52488	93.03	ug/L	98
24)	Dibromochloromethane	19.12	129.0	65636	96.03	ug/L	98
25)	1,1,2-Trichloroethane	18.13	97.0	41164	88.47	ug/L	97
26)	Benzene	14.12	78.0	142560	90.26	ug/L	89
27)	1,3-Dichloropropene (trans)	17.81	75.0	85924	97.45	ug/L	84
28)	Bromoform	22.14	173.0	50123	98.18	ug/L	98
29)	*Chlorobenzene-d5	20.23	117.0	52304	50.00	ug/L	96
30)	Tetrachloroethylene	18.75	164.0	47724	100.09	ug/L	95
31)	1,1,2,2-Tetrachloroethane	22.39	83.0	59003	89.57	ug/L	91
32)	Toluene	17.53	92.0	100170	94.27	ug/L	97
33)	Toluene-d8 (Surr)	17.39	98.0	68197	51.68	ug/L	90
34)	Monochlorobenzene	20.30	112.0	115081	96.84	ug/L	96
35)	Ethylbenzene	20.39	106.0	61234	96.64	ug/L	96
36)	Xylenes (Total)	20.53	106.0	141583	227.72	ug/L	98
37)	Bromofluorobenzene (Surr)	22.58	95.0	33301	50.37	ug/L	93
38)	1,3-Dichlorobenzene	24.84	146.0	117305	102.17	ug/L	99
39)	1,4-Dichlorobenzene	25.07	146.0	115305	101.92	ug/L	97
40)	1,2-Dichlorobenzene	25.92	146.0	101916	99.79	ug/L	97

* Compound is ISTD

BNA02162975

HDMSe00351658

TOTAL ION CHROMATOGRAM



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Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 100 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

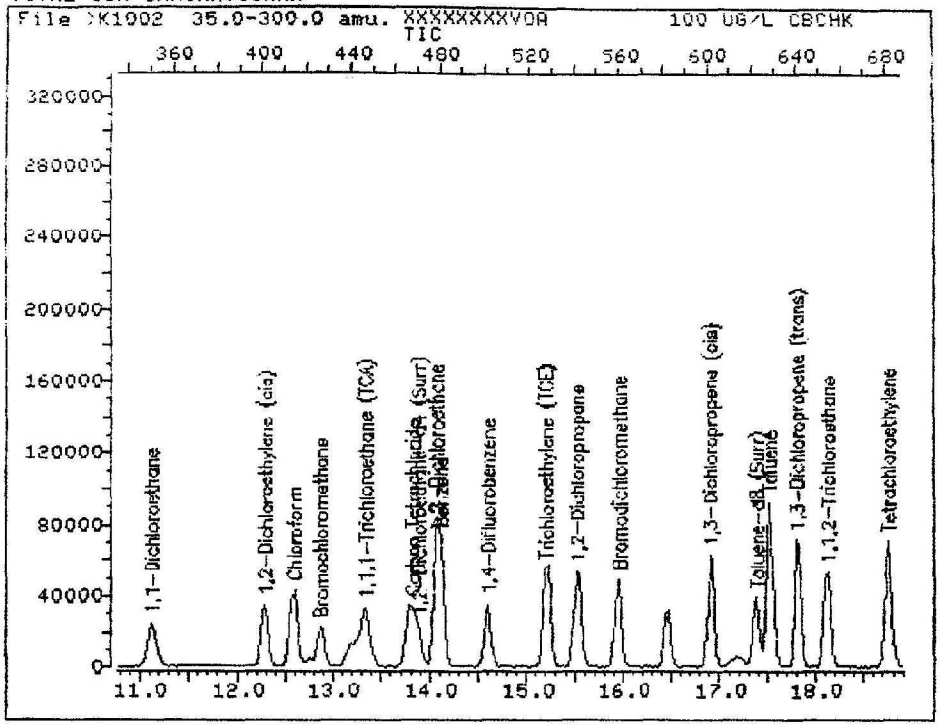
Operator ID: VONNIE
Quant Time : 921110 08:27
Injected at: 921110 08:00

Page 1 of 3

BNA02162976

HDMSe00351659

TOTAL ION CHROMATOGRAM



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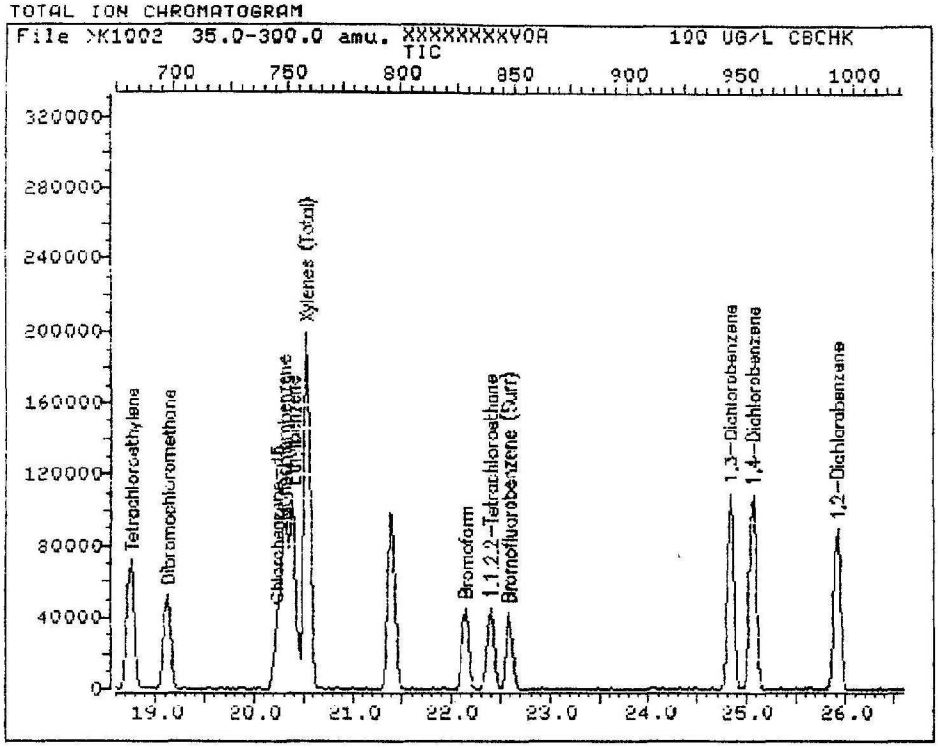
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 100 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 08:27
Injected at: 921110 08:00

BNA02162977
HDMSe00351660

TOTAL ION CHROMATOGRAM



Data File: >K1002::D1 Quant Output File: ^K1002::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 100 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 08:27
Injected at: 921110 08:00

BNA02162978

Operator ID: VONNIE
Output File: ^K1003::D1
Data File: >K1003::D1
Name: XXXXXXXXVOA
Misc: 100 UG/L CBCHK

Quant Rev: 7 Quant Time: 921110 11:52
Injected at: 921110 11:25
Dilution Factor: 1.00000
Instrument ID: 5996B

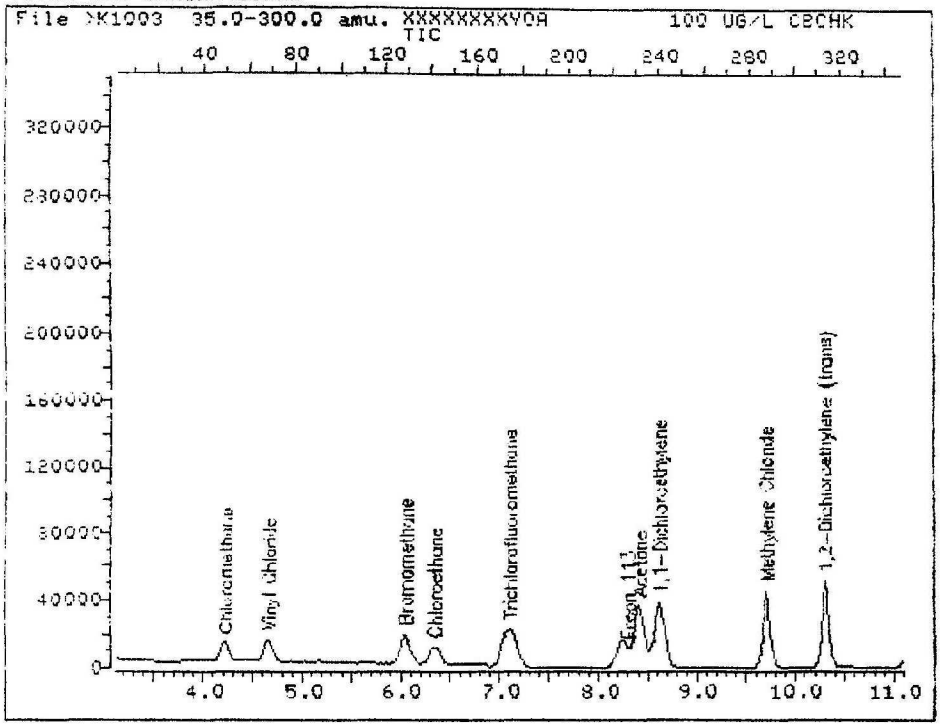
ID File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	12.91	128.0	13642	50.00	ug/L	100
2)	Freon 113	8.30	101.0	15554	24.68	ug/L	96
3)	Chloromethane	4.22	50.0	36934	132.70	ug/L	97
4)	Bromomethane	6.05	94.0	38221	102.01	ug/L	84
5)	Vinyl Chloride	4.66	62.0	49270	112.32	ug/L	92
6)	Trichlorofluoromethane	7.10	101.0	100196	129.78	ug/L	94
7)	Chloroethane	6.35	64.0	35161	106.40	ug/L	97
8)	1,2-Dichloroethylene (trans)	10.30	96.0	50425	112.58	ug/L	94
9)	Methylene Chloride	9.70	84.0	48823	99.13	ug/L	93
10)	Acetone	8.42	43.0	163667	1006.88	ug/L	81
11)	1,1-Dichloroethylene	8.62	96.0	49191	128.00	ug/L	95
12)	1,1-Dichloroethane	11.18	63.0	89291	106.18	ug/L	95
13)	1,2-Dichloroethylene (cis)	12.33	96.0	39942	95.48	ug/L	90
14)	Chloroform	12.63	83.0	83445	97.12	ug/L	94
15)	1,2-Dichloroethane-d4 (Surr)	13.94	65.0	27046	48.25	ug/L	83
16)	1,2-Dichloroethane	14.11	62.0	77725	99.83	ug/L	96
17)	*1,4-Difluorobenzene	14.64	114.0	62026	50.00	ug/L	94
18)	1,1,1-Trichloroethane (TCA)	13.37	97.0	81152	107.81	ug/L	75
19)	Carbon Tetrachloride	13.85	117.0	81429	115.21	ug/L	88
20)	Bromodichloromethane	15.97	83.0	83414	104.93	ug/L	89
21)	1,2-Dichloropropane	15.56	63.0	51969	112.32	ug/L	92
22)	1,3-Dichloropropene (cis)	16.94	75.0	79981	110.22	ug/L	98
23)	Trichloroethylene (TCE)	15.26	130.0	56272	110.89	ug/L	96
24)	Dibromochloromethane	19.16	129.0	63815	103.82	ug/L	98
25)	1,1,2-Trichloroethane	18.14	97.0	41604	99.41	ug/L	96
26)	Benzene	14.15	78.0	161449	113.65	ug/L	90
27)	1,3-Dichloropropene (trans)	17.84	75.0	87178	109.93	ug/L	80
28)	Bromoform	22.18	173.0	49773	108.41	ug/L	98
29)	*Chlorobenzene-d5	20.27	117.0	48637	50.00	ug/L	96
30)	Tetrachloroethylene	18.79	164.0	49586	111.84	ug/L	94
31)	1,1,2,2-Tetrachloroethane	22.43	83.0	60845	99.33	ug/L	89
32)	Toluene	17.57	92.0	105912	107.19	ug/L	97
33)	Toluene-d8 (Surr)	17.41	98.0	63781	51.98	ug/L	92
34)	Monochlorobenzene	20.33	112.0	113122	102.37	ug/L	97
35)	Ethylbenzene	20.43	106.0	63700	108.11	ug/L	92
36)	Xylenes (Total)	20.57	106.0	150756	260.75	ug/L	92
37)	Bromofluorobenzene (Surr)	22.62	95.0	29406	47.84	ug/L	92
38)	1,3-Dichlorobenzene	24.88	146.0	111119	104.08	ug/L	98
39)	1,4-Dichlorobenzene	25.08	146.0	110528	105.06	ug/L	96
40)	1,2-Dichlorobenzene	25.96	146.0	103702	109.19	ug/L	97

* Compound is ISTD

BNA02162979

TOTAL ION CHROMATOGRAM



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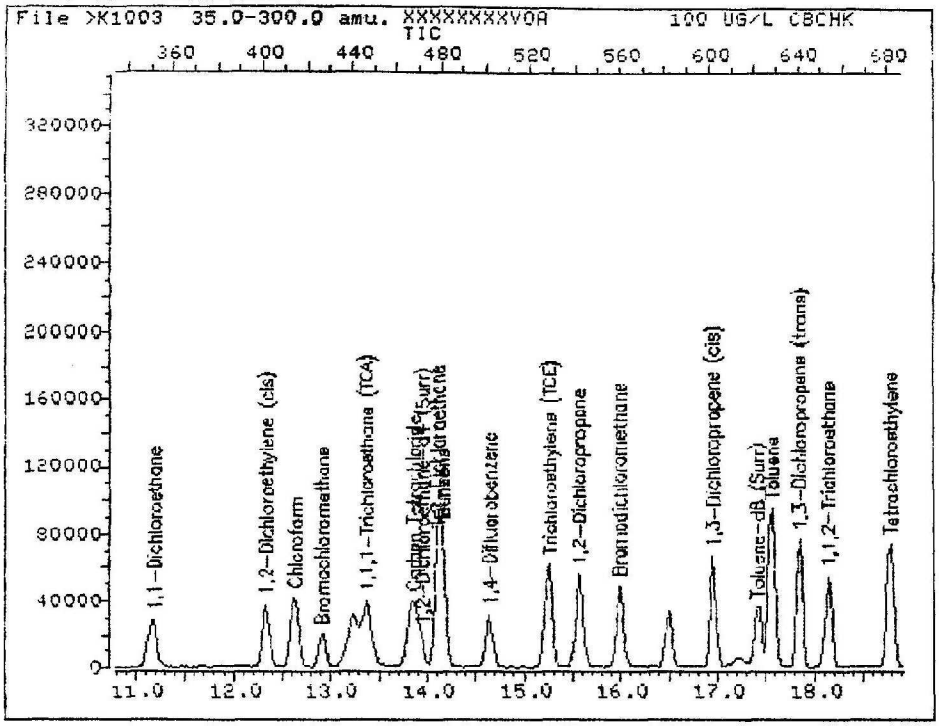
Misc: 100 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 11:52
Injected at: 921110 11:25

BNA02162980

TOTAL ION CHROMATOGRAM



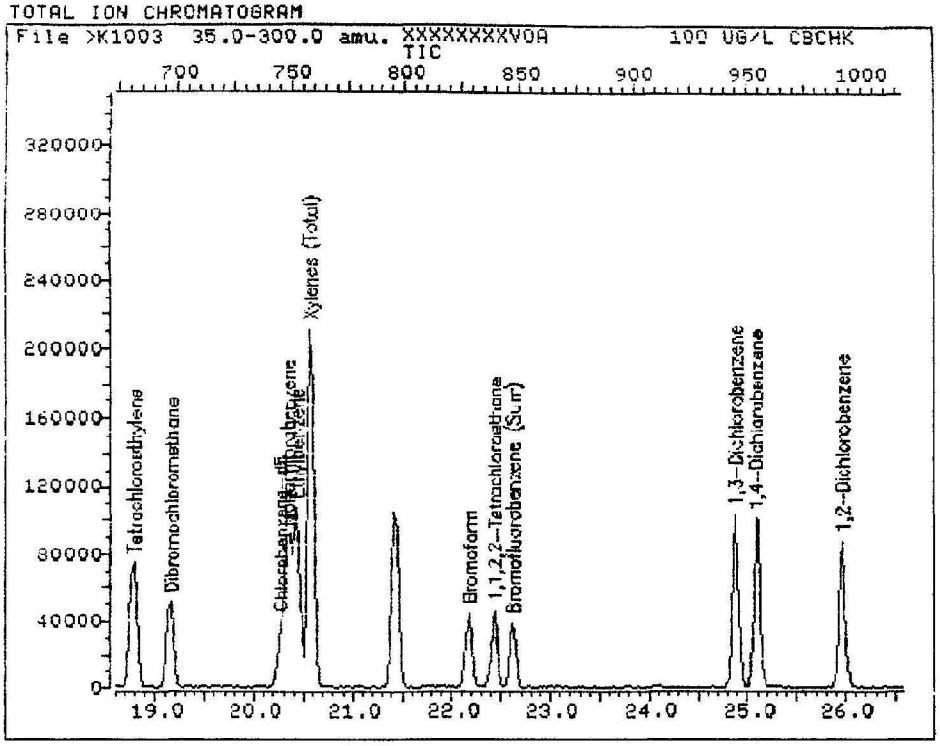
Data File: >K1003::D1 Quant Output File: ^K1003::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 100 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 11:52
Injected at: 921110 11:25

BNA02162981
HDMSe00351664

TOTAL ION CHROMATOGRAM



Data File: >K1003::D1 Quant Output File: ^K1003::D1
Name: XXXXXXXXV0A Instrument ID: 5996B
Misc: 100 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 11:52
Injected at: 921110 11:25

BNA02162982

HDMSe00351665

QUANT REPORT Page 1

Operator ID: VONNIE
Output File: ^K1004::D1
Data File: >K1004::D4
Name: XXXXXXXXVOA
Misc: 200 UG/L CBCHK

Quant Rev: 7 Quant Time: 921110 12:36
Injected at: 921110 12:09
Dilution Factor: 1.00000
Instrument ID: 5996B

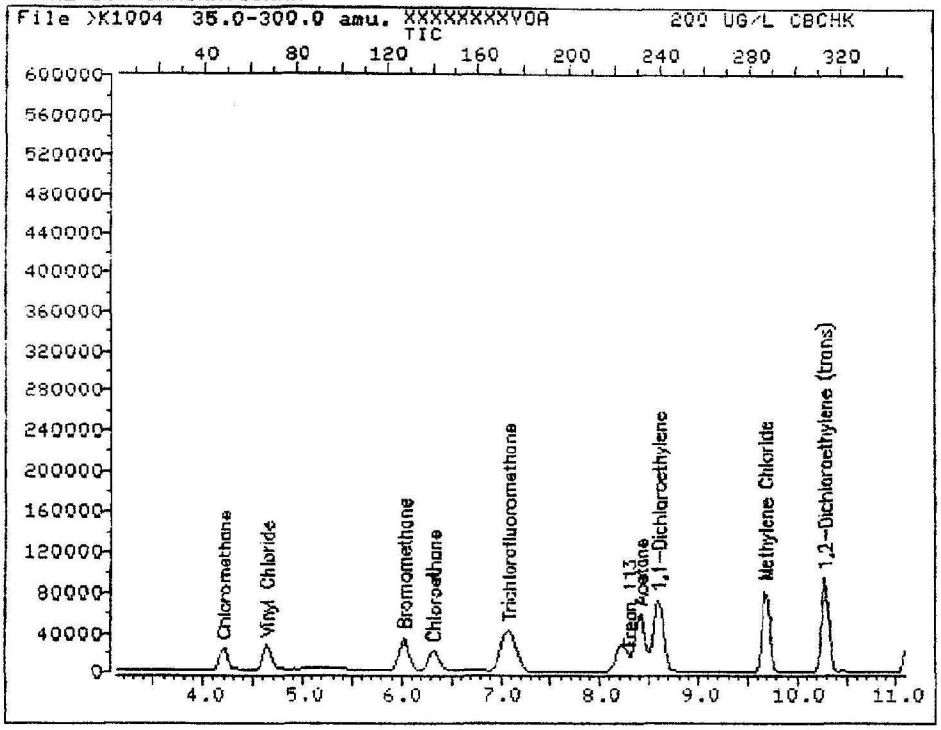
ID File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	12.91	128.0	14117	50.00	ug/L	100
2)	Freon 113	8.30	101.0	28423	43.58	ug/L	99
3)	Chloromethane	4.20	50.0	75460	261.99	ug/L	94
4)	Bromomethane	6.02	94.0	72482	186.93	ug/L	88
5)	Vinyl Chloride	4.64	62.0	95264	209.86	ug/L	93
6)	Trichlorofluoromethane	7.08	101.0	191710	239.96	ug/L	89
7)	Chloroethane	6.32	64.0	68075	199.06	ug/L	94
8)	1,2-Dichloroethylene (trans)	10.28	96.0	94056	202.93	ug/L	95
9)	Methylene Chloride	9.68	84.0	91426	179.39	ug/L	93
10)	Acetone	8.42	43.0	265865	1580.57	ug/L	78
11)	1,1-Dichloroethylene	8.60	96.0	91887	231.06	ug/L	93
12)	1,1-Dichloroethane	11.16	63.0	172578	198.31	ug/L	94
13)	1,2-Dichloroethylene (cis)	12.31	96.0	75799	175.11	ug/L	91
14)	Chloroform	12.61	83.0	156787	176.34	ug/L	96
15)	1,2-Dichloroethane-d4 (Surr)	13.92	65.0	27307	47.08	ug/L	86
16)	1,2-Dichloroethane	14.08	62.0	146347	181.64	ug/L	92
17)	*1,4-Difluorobenzene	14.61	114.0	65343	50.00	ug/L	95
18)	1,1,1-Trichloroethane (TCA)	13.35	97.0	157426	198.52	ug/L	78
19)	Carbon Tetrachloride	13.83	117.0	155961	209.47	ug/L	86
20)	Bromodichloromethane	15.97	83.0	158335	189.07	ug/L	90
21)	1,2-Dichloropropane	15.56	63.0	99670	204.48	ug/L	92
22)	1,3-Dichloropropene (cis)	16.94	75.0	155372	203.25	ug/L	95
23)	Trichloroethylene (TCE)	15.24	130.0	107527	201.14	ug/L	96
24)	Dibromochloromethane	19.16	129.0	124301	191.95	ug/L	98
25)	1,1,2-Trichloroethane	18.16	97.0	78497	178.05	ug/L	97
26)	Benzene	14.13	78.0	310074	207.20	ug/L	91
27)	1,3-Dichloropropene (trans)	17.84	75.0	169106	202.42	ug/L	81
28)	Bromoform	22.18	173.0	95376	197.19	ug/L	98
29)	*Chlorobenzene-d5	20.26	117.0	51323	50.00	ug/L	94
30)	Tetrachloroethylene	18.79	164.0	94510	202.00	ug/L	97
31)	1,1,2,2-Tetrachloroethane	22.43	83.0	112583	174.18	ug/L	91
32)	Toluene	17.57	92.0	201650	193.40	ug/L	97
33)	Toluene-d8 (Surr)	17.40	98.0	66877	51.65	ug/L	92
34)	Monochlorobenzene	20.35	112.0	217198	186.27	ug/L	96
35)	Ethylbenzene	20.42	106.0	118715	190.93	ug/L	93
36)	Xylenes (Total)	20.56	106.0	274499	449.93	ug/L	96
37)	Bromofluorobenzene (Surr)	22.61	95.0	30797	47.48	ug/L	86
38)	1,3-Dichlorobenzene	24.87	146.0	205605	182.51	ug/L	97
39)	1,4-Dichlorobenzene	25.10	146.0	208038	187.40	ug/L	97
40)	1,2-Dichlorobenzene	25.96	146.0	192312	191.90	ug/L	99

* Compound is ISTD

BNA02162983

TOTAL ION CHROMATOGRAM



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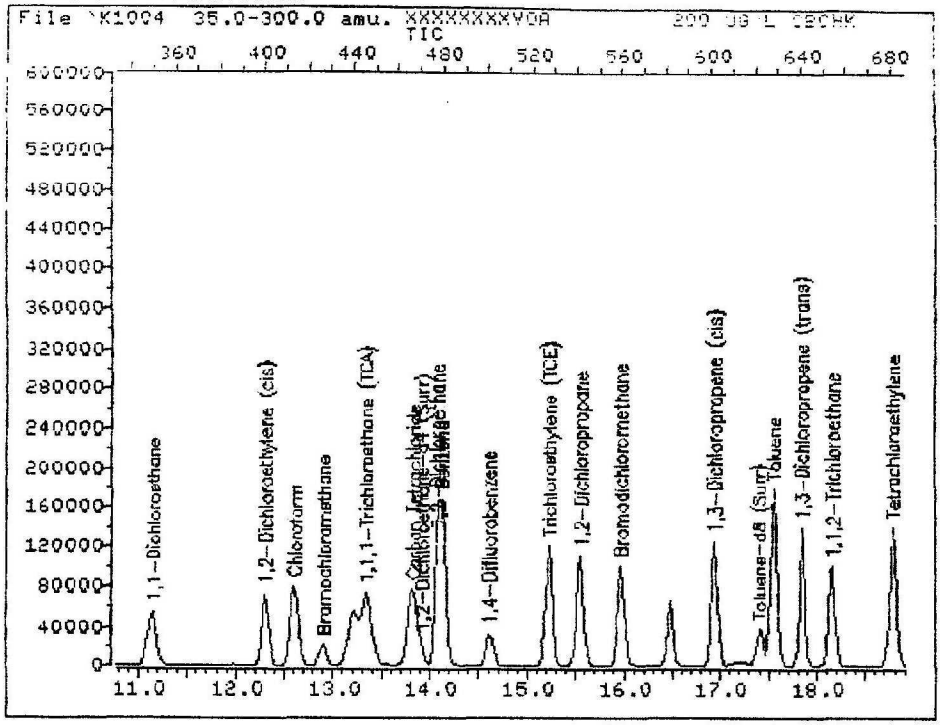
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 200 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 12:36
Injected at: 921110 12:09

BNA02162984
HDMSe00351667

TOTAL ION CHROMATOGRAM



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Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 200 UG/L CBCHK

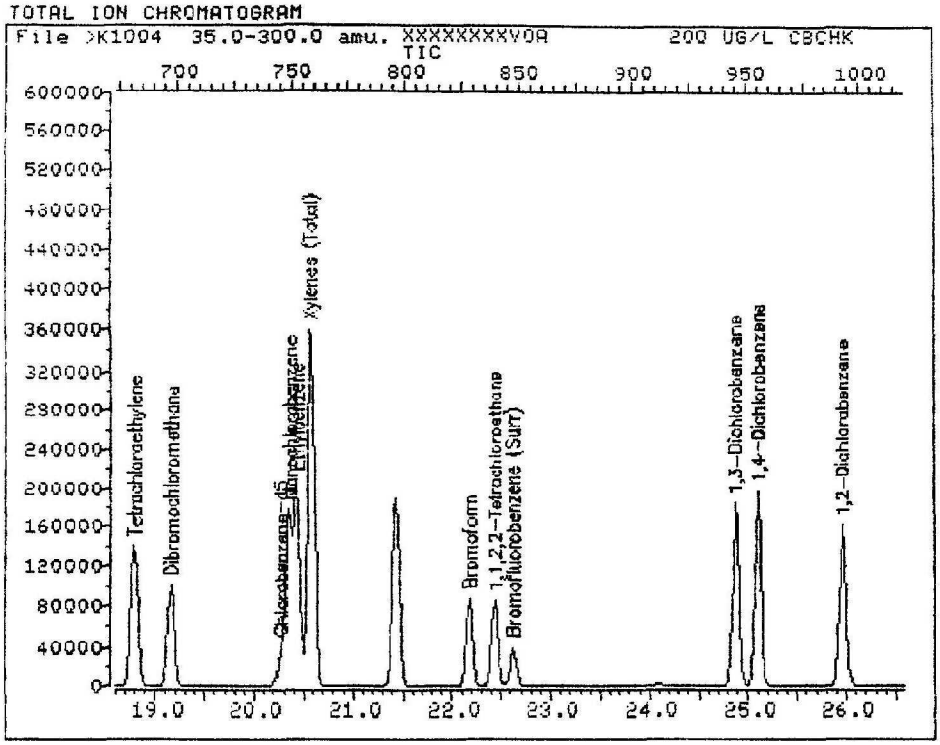
Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 12:36
Injected at: 921110 12:09

BNA02162985

HDMSe00351668

TOTAL ION CHROMATOGRAM



Data File: >K1004::D4 Quant Output File: ^K1004::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 200 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 12:36
Injected at: 921110 12:09

BNA02162986
HDMSe00351669

QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921110 13:19
Output File: ^K1005::D1 Injected at: 921110 12:52
Data File: >K1005::D4 Dilution Factor: 1.00000
Name: XXXXXXXXXVOA Instrument ID: 5996B
Misc: 200 UG/L CBCHK

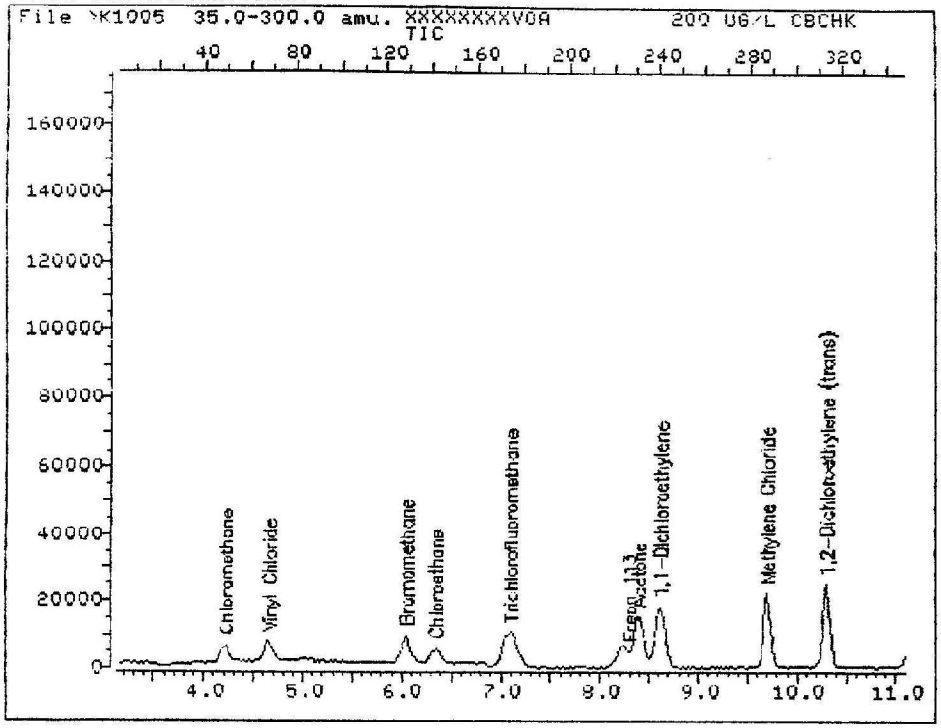
ID File: ID_329::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	12.90	128.0	13079	50.00	ug/L	100
2)	Freon 113	8.30	101.0	7247	11.99	ug/L	94
3)	Chloromethane	4.22	50.0	17845	66.87	ug/L	98
4)	Bromomethane	6.04	94.0	17201	47.88	ug/L	82
5)	Vinyl Chloride	4.66	62.0	22478	53.45	ug/L	97
6)	Trichlorofluoromethane	7.10	101.0	48062	64.93	ug/L	97
7)	Chloroethane	6.34	64.0	15576	49.16	ug/L	95
8)	1,2-Dichloroethylene (trans)	10.30	96.0	25078	58.40	ug/L	97
9)	Methylene Chloride	9.70	84.0	24827	52.58	ug/L	92
10)	Acetone	8.39	43.0	63080	404.77	ug/L	82
11)	1,1-Dichloroethylene	8.62	96.0	23511	63.81	ug/L	93
12)	1,1-Dichloroethane	11.15	63.0	44537	55.24	ug/L	93
13)	1,2-Dichloroethylene (cis)	12.30	96.0	20261	50.52	ug/L	87
14)	Chloroform	12.60	83.0	41704	50.63	ug/L	90
15)	1,2-Dichloroethane-d4 (Surr)	13.92	65.0	28540	53.11	ug/L	87
16)	1,2-Dichloroethane	14.08	62.0	38873	52.08	ug/L	97
17)	*1,4-Difluorobenzene	14.63	114.0	64014	50.00	ug/L	94
18)	1,1,1-Trichloroethane (TCA)	13.36	97.0	41134	52.95	ug/L	79
19)	Carbon Tetrachloride	13.83	117.0	39683	54.40	ug/L	87
20)	Bromodichloromethane	15.97	83.0	39647	48.33	ug/L	94
21)	1,2-Dichloropropane	15.55	63.0	25404	53.20	ug/L	96
22)	1,3-Dichloropropene (cis)	16.94	75.0	38973	52.04	ug/L	93
23)	Trichloroethylene (TCE)	15.23	130.0	27515	52.54	ug/L	96
24)	Dibromochloromethane	19.15	129.0	31367	49.44	ug/L	98
25)	1,1,2-Trichloroethane	18.16	97.0	21375	49.49	ug/L	92
26)	Benzene	14.13	78.0	79542	54.25	ug/L	90
27)	1,3-Dichloropropene (trans)	17.86	75.0	41648	50.89	ug/L	81
28)	Bromoform	22.17	173.0	22889	48.30	ug/L	98
29)	*Chlorobenzene-d5	20.26	117.0	51268	50.00	ug/L	92
30)	Tetrachloroethylene	18.78	164.0	24474	52.37	ug/L	98
31)	1,1,2,2-Tetrachloroethane	22.43	83.0	30588	47.37	ug/L	95
32)	Toluene	17.56	92.0	51344	49.30	ug/L	99
33)	Toluene-d8 (Surr)	17.42	98.0	65219	50.42	ug/L	91
34)	Monochlorobenzene	20.35	112.0	57497	49.36	ug/L	97
35)	Ethylbenzene	20.42	106.0	31200	50.23	ug/L	94
36)	Xylenes (Total)	20.58	106.0	76528	125.57	ug/L	96
37)	Bromofluorobenzene (Surr)	22.63	95.0	30672	47.33	ug/L	95
38)	1,3-Dichlorobenzene	24.87	146.0	54072	48.05	ug/L	98
39)	1,4-Dichlorobenzene	25.10	146.0	55168	49.75	ug/L	98
40)	1,2-Dichlorobenzene	25.95	146.0	50637	50.58	ug/L	99

* Compound is ISTD

BNA02162987

TOTAL ION CHROMATOGRAM



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Name: XXXXXXXXV0A Instrument ID: 5996B
Misc: 200 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

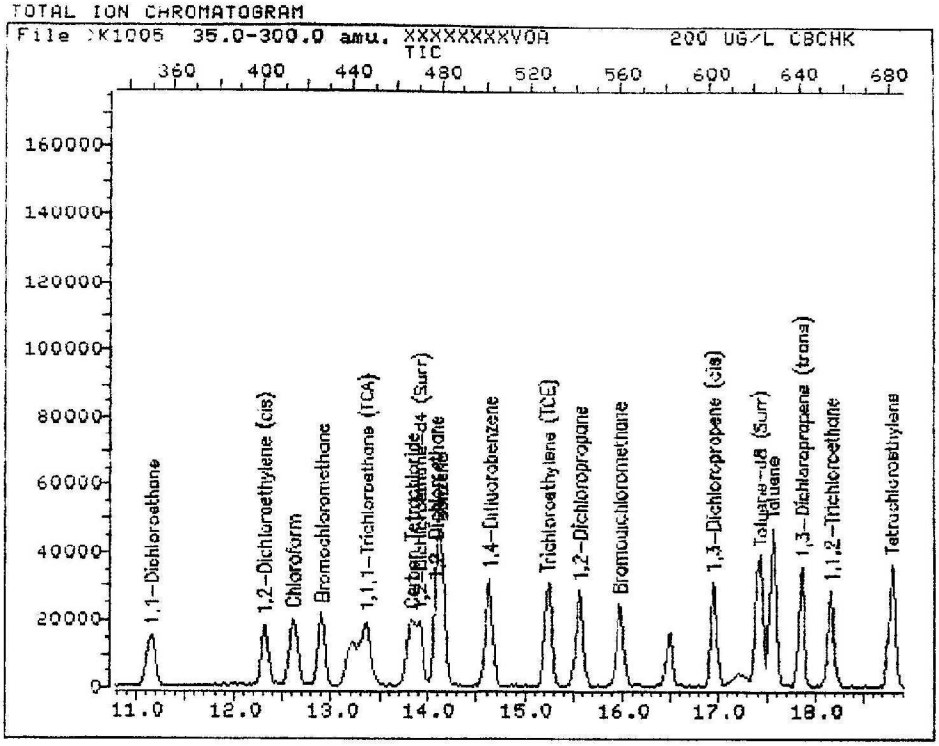
Operator ID: VONNIE
Quant Time : 921110 13:19
Injected at: 921110 12:52

Page 1 of 3

BNA02162988

HDMSe00351671

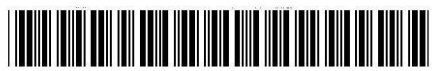
TOTAL ION CHROMATOGRAM



Data File: >K1005::D4 Quant Output File: ^K1005::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 200 UG/L CBCHK

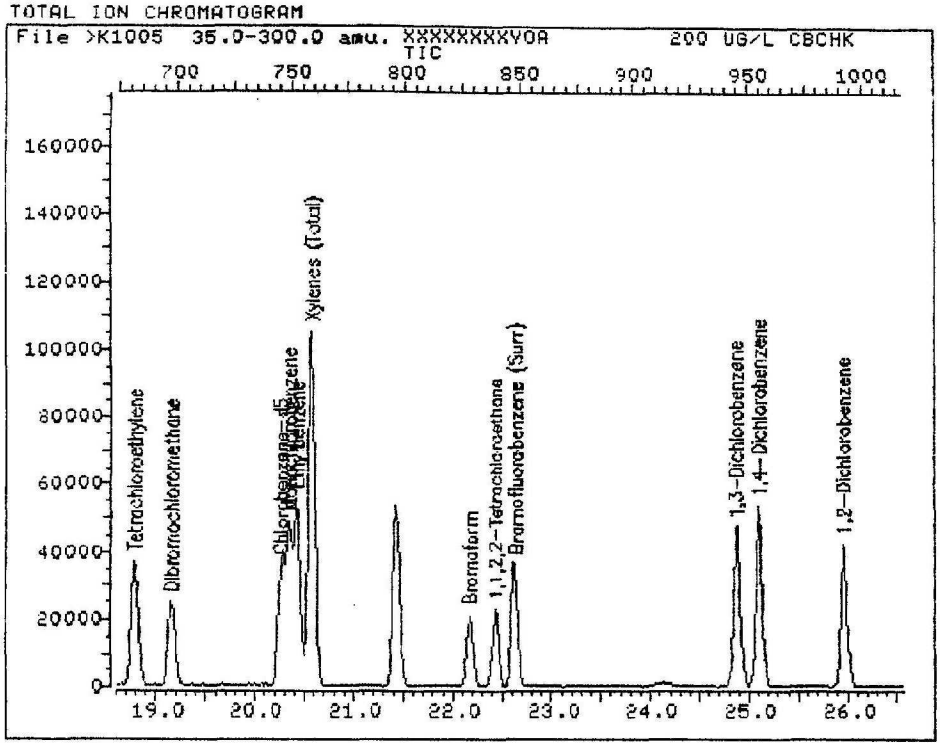
Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 13:19
Injected at: 921110 12:52



BNA02162989

TOTAL ION CHROMATOGRAM



Data File: >K1005::D4 Quant Output File: ^K1005::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 200 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 13:19
Injected at: 921110 12:52

BNA02162990

HDMSe00351673

QUANT REPORT

Operator ID: VONNIE
Output File: ^K1006::D1
Data File: >K1006::D4
Name: XXXXXXXXUOA
Misc: 50 UG/L CBCHK

Quant Rev: 7 Quant Time: 921110 14:02
Injected at: 921110 13:35
Dilution Factor: 1.00000
Instrument ID: 5996B

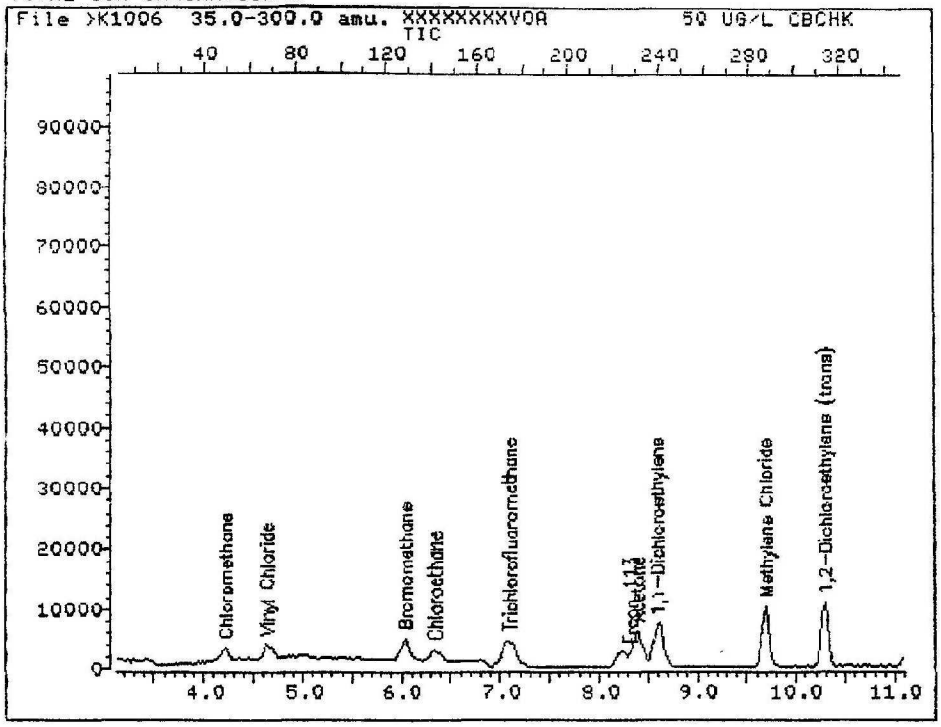
ID File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	12.90	128.0	14087	50.00	ug/L	100
2)	Freon 113	8.32	101.0	2600	4.00	ug/L	96
3)	Chloromethane	4.22	50.0	6761	23.52	ug/L	97
4)	Bromomethane	6.04	94.0	6941	17.94	ug/L	90
5)	Vinyl Chloride	4.64	62.0	9121	20.14	ug/L	86
6)	Trichlorofluoromethane	7.10	101.0	19741	24.76	ug/L	99
7)	Chloroethane	6.34	64.0	6306	18.48	ug/L	85
8)	1,2-Dichloroethylene (trans)	10.30	96.0	10478	22.65	ug/L	97
9)	Methylene Chloride	9.70	84.0	11290	22.20	ug/L	90
10)	Acetone	8.39	43.0	26235	156.30	ug/L	86
11)	1,1-Dichloroethylene	8.60	96.0	9850	24.82	ug/L	92
12)	1,1-Dichloroethane	11.15	63.0	18546	21.36	ug/L	97
13)	1,2-Dichloroethylene (cis)	12.32	96.0	8657	20.04	ug/L	93
14)	Chloroform	12.62	83.0	17056	19.22	ug/L	92
15)	1,2-Dichloroethane-d4 (Surr)	13.92	65.0	28495	49.23	ug/L	79
16)	1,2-Dichloroethane	14.10	62.0	16064	19.98	ug/L	95
17)	*1,4-Difluorobenzene	14.63	114.0	65882	50.00	ug/L	94
18)	1,1,1-Trichloroethane (TCA)	13.36	97.0	17148	21.45	ug/L	76
19)	Carbon Tetrachloride	13.82	117.0	16168	21.54	ug/L	83
20)	Bromodichloromethane	15.97	83.0	16094	19.06	ug/L	93
21)	1,2-Dichloropropane	15.55	63.0	10409	21.18	ug/L	96
22)	1,3-Dichloropropene (cis)	16.94	75.0	15600	20.24	ug/L	91
23)	Trichloroethylene (TCE)	15.23	130.0	11203	20.79	ug/L	96
24)	Dibromochloromethane	19.15	129.0	11638	17.82	ug/L	97
25)	1,1,2-Trichloroethane	18.16	97.0	8516	19.16	ug/L	93
26)	Benzene	14.12	78.0	32463	21.51	ug/L	91
27)	1,3-Dichloropropene (trans)	17.86	75.0	16903	20.07	ug/L	81
28)	Bromoform	22.17	173.0	8401	17.23	ug/L	93
29)	*Chlorobenzene-d5	20.26	117.0	53505	50.00	ug/L	91
30)	Tetrachloroethylene	18.78	164.0	9994	20.49	ug/L	96
31)	1,1,2,2-Tetrachloroethane	22.42	83.0	12117	17.98	ug/L	90
32)	Toluene	17.56	92.0	21888	20.14	ug/L	92
33)	Toluene-d8 (Surr)	17.42	98.0	66878	49.54	ug/L	91
34)	Monochlorobenzene	20.35	112.0	22865	18.81	ug/L	94
35)	Ethylbenzene	20.42	106.0	12592	19.43	ug/L	99
36)	Xylenes (Total)	20.56	106.0	31881	50.13	ug/L	93
37)	Bromofluorobenzene (Surr)	22.61	95.0	30808	45.56	ug/L	85
38)	1,3-Dichlorobenzene	24.89	146.0	20793	17.70	ug/L	96
39)	1,4-Dichlorobenzene	25.10	146.0	21822	18.86	ug/L	96
40)	1,2-Dichlorobenzene	25.95	146.0	19992	19.14	ug/L	94

* Compound is ISTD

BNA02162991

TOTAL ION CHROMATOGRAM



Data File: >K1006::D4 Quant Output File: ^K1006::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 50 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 14:02
Injected at: 921110 13:35

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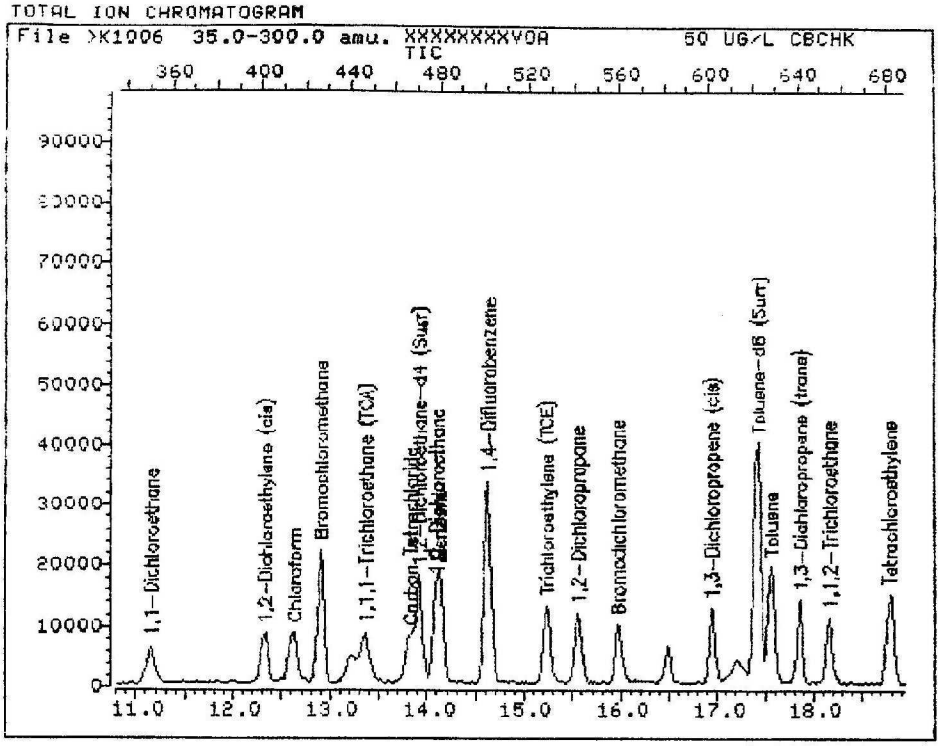
BNA02162992

HDMSe00351675

TOTAL ION CHROMATOGRAM



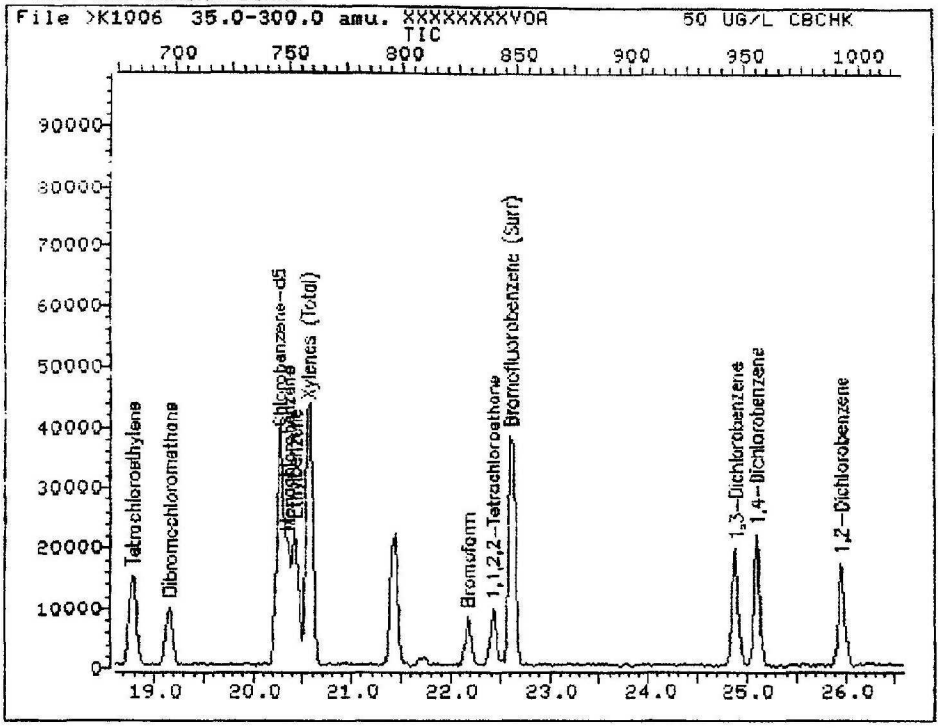
Data File: >K1006::D4 Quant Output File: ^K1006::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 50 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 14:02
Injected at: 921110 13:35

BNA02162993
HDMSe00351676

TOTAL ION CHROMATOGRAM



Data File: >K1006::D4 Quant Output File: ^K1006::D1
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 50 UG/L CBCHK

Id File: ID_J29::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921029 18:07 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921110 14:02
Injected at: 921110 13:35

BNA02162994

HDMSe00351677

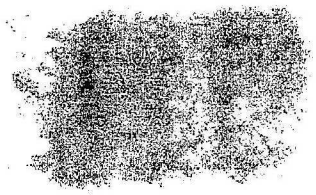
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:10
Output File: ^K1014::D1 Injected at: 921110 19:06
Data File: >K1014::D4 Dilution Factor: 1.00000
Name: 9211~~0229~~00A ~~232~~ 191 Instrument ID: 59968
Misc: ~~BRAND~~ EFF
WS 5 Na B. Pit 7 Rinse
ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

VM

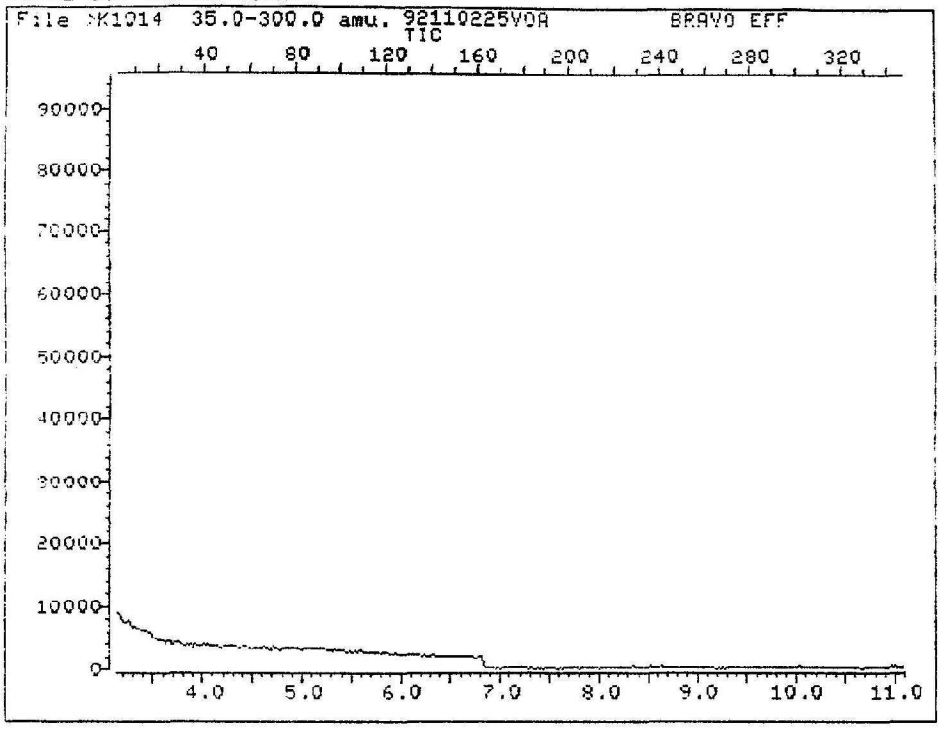
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	11723	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.87	468	27466	56.89	ug/L	87
17)	*1,4-Difluorobenzene	14.56	498	58087	50.00	ug/L	~~97~~
23)	Trichloroethylene (TCE)	15.18	525	6259	12.33	ug/L	94
29)	*Chlorobenzene-d5	20.23	744	47202	50.00	ug/L	94
33)	Toluene-d8 (Surr)	17.37	620	60966	50.29	ug/L	90
37)	Bromofluorobenzene (Surr)	22.58	846	27210	48.67	ug/L	99

* Compound is ISTD



BNA02162995

TOTAL ION CHROMATOGRAM



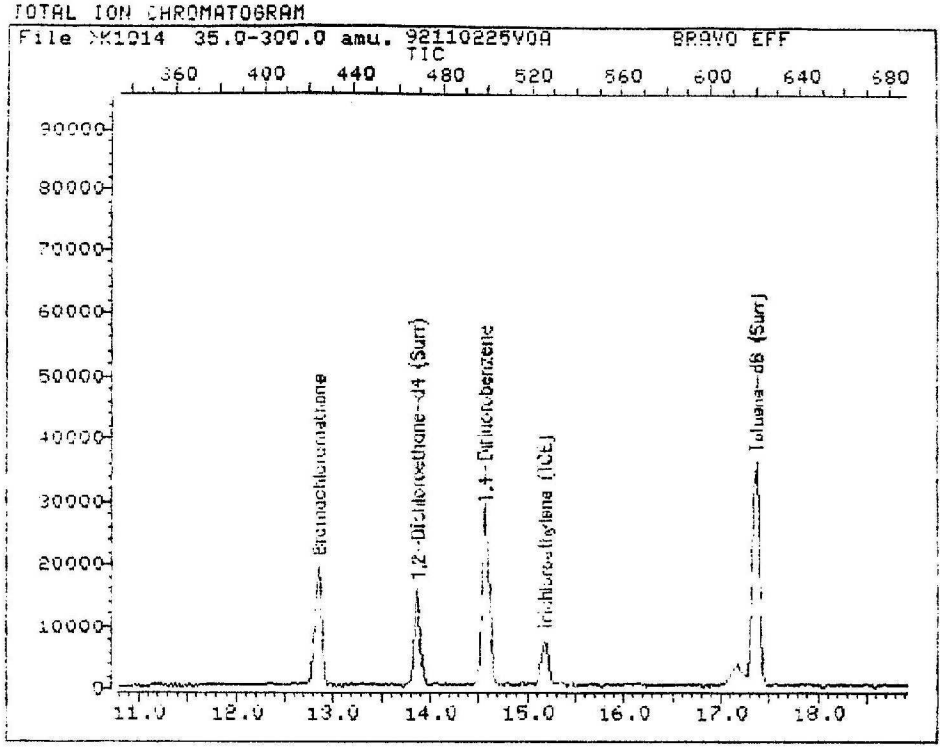
Data File: >K1014::D4 Quant Output File: ^K1014::D1
Name: 92110225VOA Instrument ID: 5996B
Misc: BRAVO EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:10
Injected at: 921110 19:06

BNA02162996
HDMSe00351679

TOTAL ION CHROMATOGRAM



Data File: >K1014::D4 Quant Output File: ^K1014::D1
Name: 92110225V0A Instrument ID: 5996B
Misc: BRAVO EFF

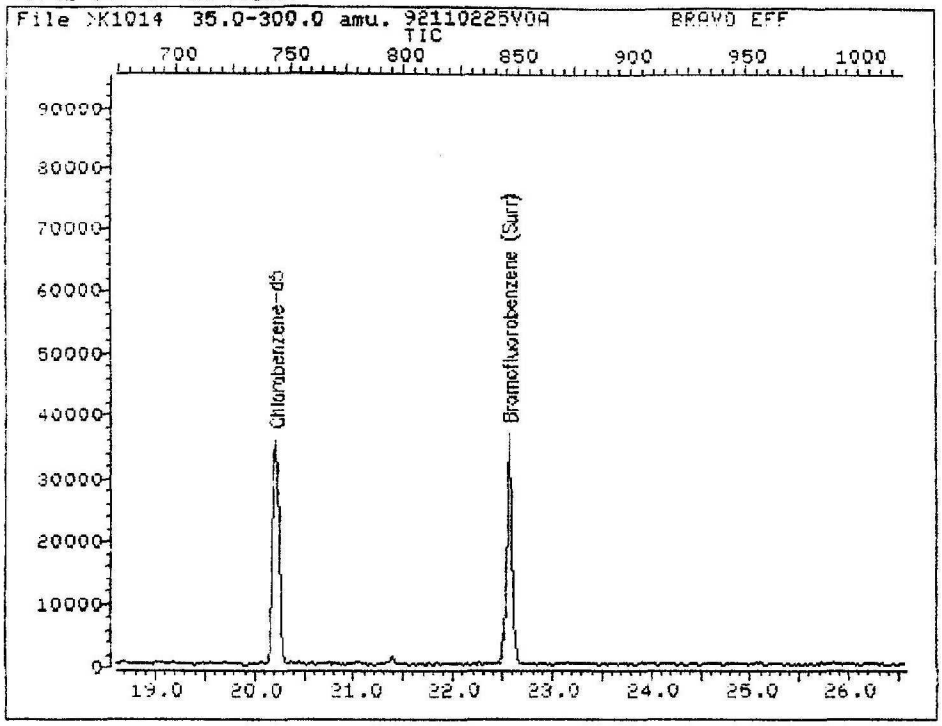
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:10
Injected at: 921110 19:06

BNA02162997

HDMSe00351680

TOTAL ION CHROMATOGRAM



Data File: >K1014::D4 Quant Output File: ^K1014::D1
Name: 92110225V0A Instrument ID: 5996B
Misc: BRAVO EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:10
Injected at: 921110 19:06

BNA02162998

HDMSe00351681

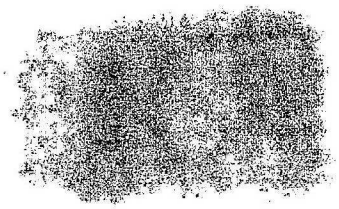
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:11
Output File: ^K1015::D1 Injected at: 921110 19:42
Data File: >K1015::D4 Dilution Factor: 1.00000
Name: 92110~~225VOA~~ 225232 Instrument ID: 5996B
Misc: ~~CANYON~~ BRAVO EFF WS5 Eff
ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

VMP

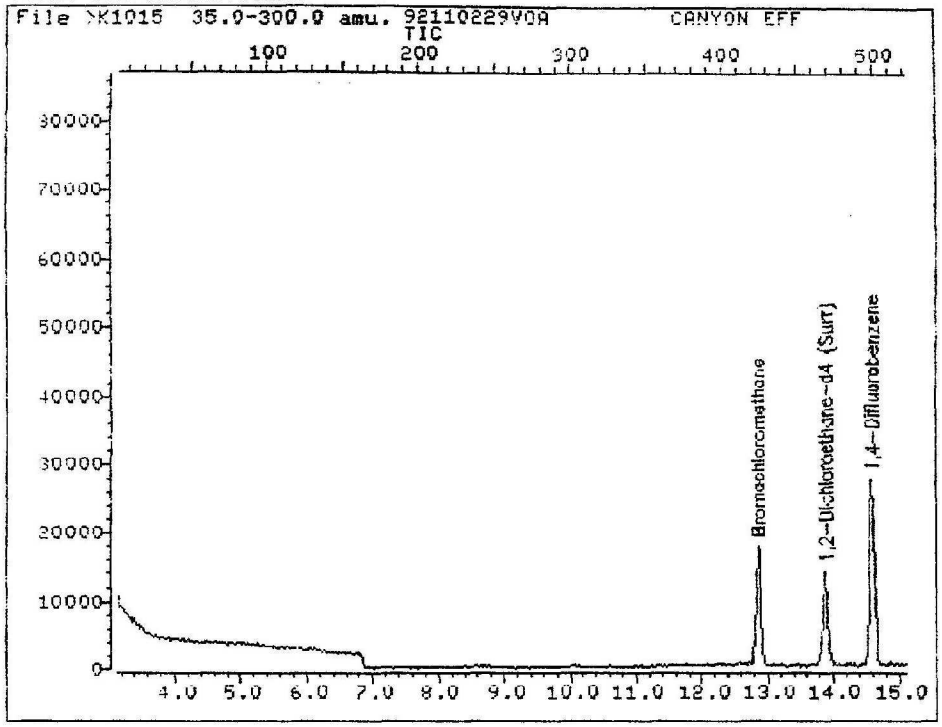
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	10201	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.89	469	24879	59.22	ug/L	87
17)	*1,4-Difluorobenzene	14.58	499	52706	50.00	ug/L	96
29)	*Chlorobenzene-d5	20.22	744	42514	50.00	ug/L	97
33)	Toluene-d8 (Surr)	17.37	620	55037	50.41	ug/L	89
37)	Bromofluorobenzene (Surr)	22.57	846	25493	50.62	ug/L	92

* Compound is ISTD



BNA02162999

TOTAL ION CHROMATOGRAM



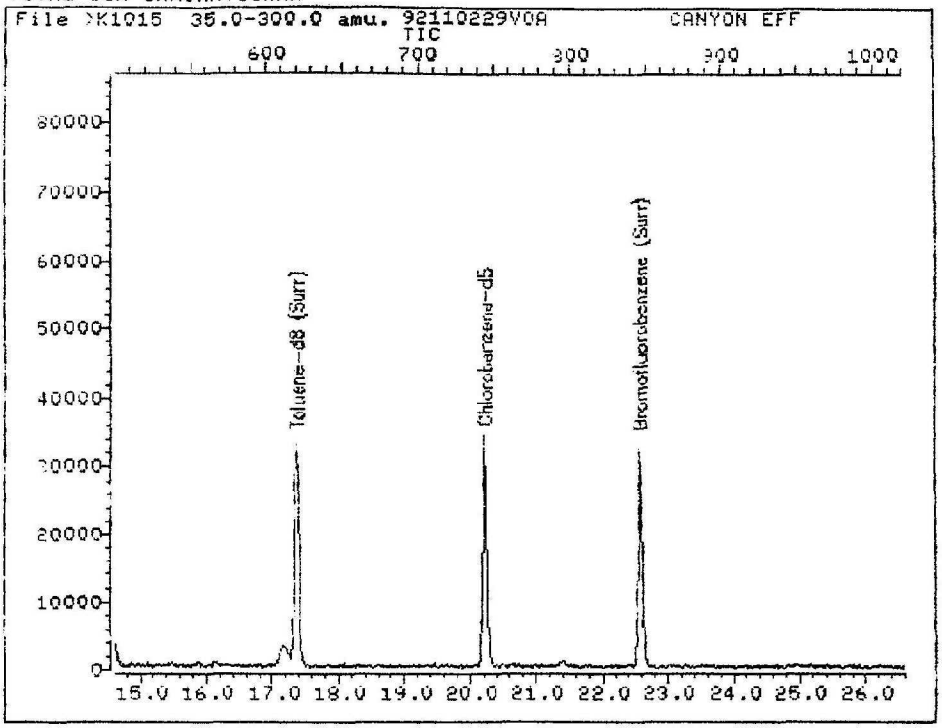
Data File: >K1015::D4 Quant Output File: ^K1015::D1
Name: 92110229V0A Instrument ID: 5996B
Misc: CANYON EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:11
Injected at: 921110 19:42

BNA02163000
HDMSe00351683

TOTAL ION CHROMATOGRAM



Data File: >K1015::D4 Quant Output File: ^K1015::D1
Name: 92110229VOA Instrument ID: 5996B
Misc: CANYON EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:11
Injected at: 921110 19:42

BNA02163001
HDMSe00351684

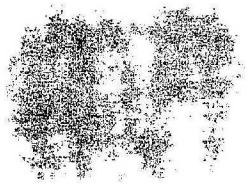
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:12
Output File: ^K1016::D1 Injected at: 921110 20:18
Data File: ^K1016::D4 Dilution Factor: 1.00000
Name: 9211022~~4~~VOA ~~229~~ 225 Instrument ID: 5996B
Misc: ~~ALPHA~~ EFF Bravo Eff
~~Canyon~~
ID File: ID_K10::3C
Title: 'Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

VMD

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	11308	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.86	468	26794	57.54	ug/L	92
17)	*1,4-Difluorobenzene	14.58	499	57775	50.00	ug/L	93
29)	*Chlorobenzene-d5	20.23	744	46083	50.00	ug/L	95
33)	Toluene-d8 (Surr)	17.37	620	59147	49.97	ug/L	89
37)	Bromofluorobenzene (Surr)	22.58	846	27136	49.71	ug/L	95

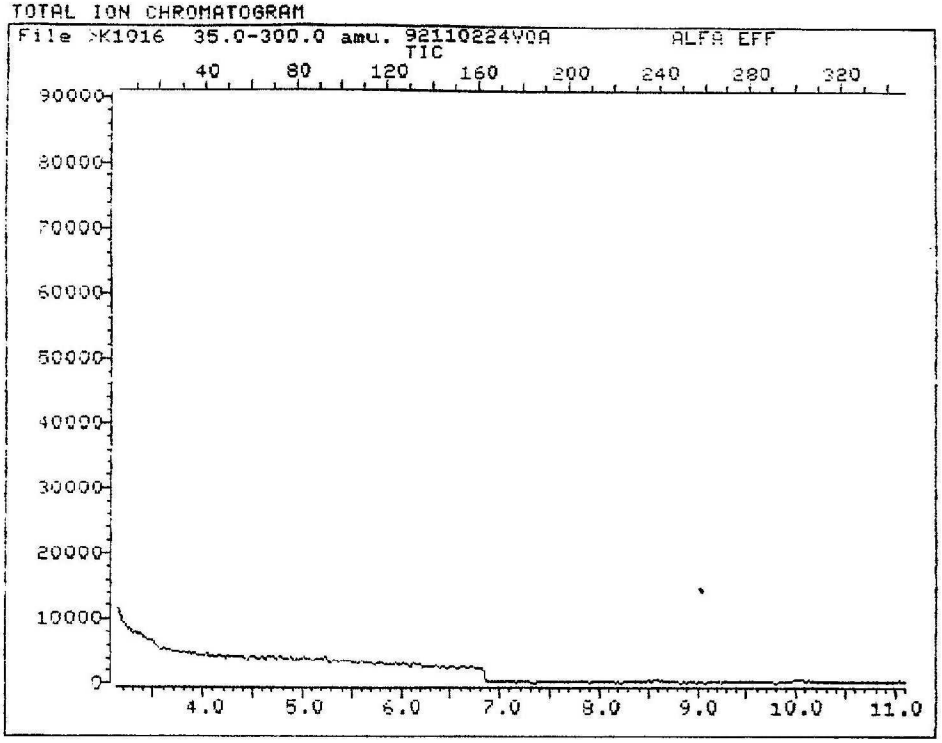
* Compound is ISTD



BNA02163002

HDMSe00351685

TOTAL ION CHROMATOGRAM



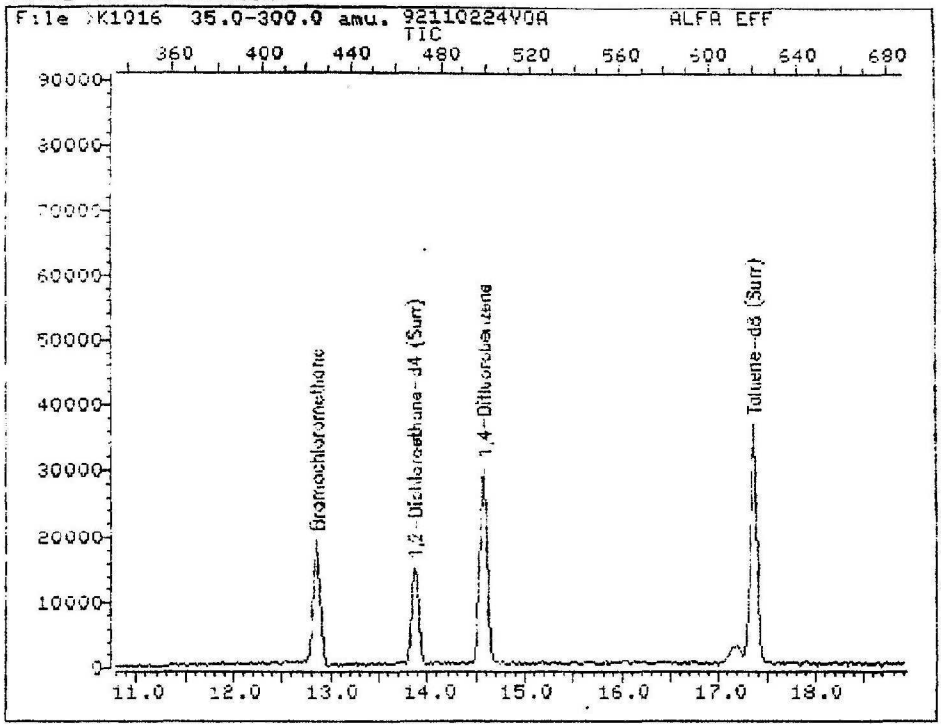
Data File: >K1016::D4 Quant Output File: ^K1016::D1
Name: 92110224V0A Instrument ID: 5996B
Misc: ALFA EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:12
Injected at: 921110 20:18

BNA02163003
HDMSe00351686

TOTAL ION CHROMATOGRAM



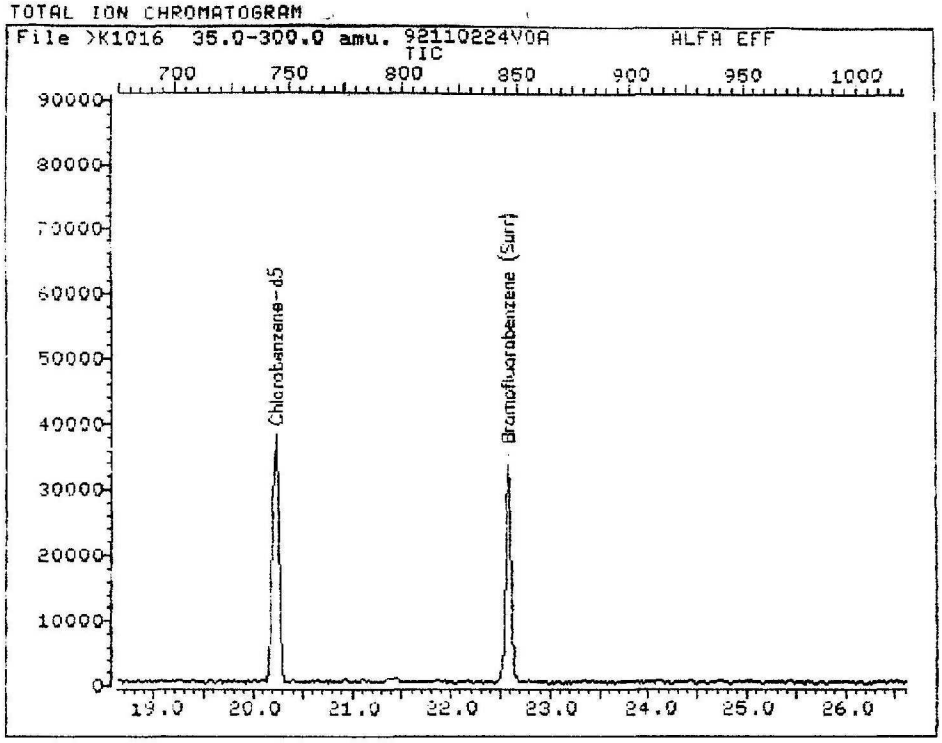
Data File: >K1016::D4 Quant Output File: ^K1016::D1
Name: 92110224VOA Instrument ID: 5996B
Misc: ALFA EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:12
Injected at: 921110 20:18

BNA02163004
HDMSe00351687

TOTAL ION CHROMATOGRAM



Data File: >K1016::D4 Quant Output File: ^K1016::D1
Name: 92110224V0A Instrument ID: 5996B
Misc: ALFA EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:12
Injected at: 921110 20:18

BNA02163005

HDMSe00351688

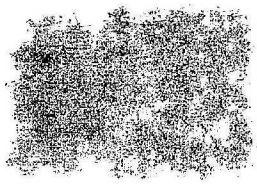
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:13
Output File: K1017::D1 Injected at: 921110 20:55
Data File: K1017::D4 Dilution Factor: 1.00000
Name: 92110~~822~~VOA ~~224~~ 229 Instrument ID: 5996B
Misc: ~~AREA 1 RD~~ EFF
BLGA Canyon
ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: (none)

VMO

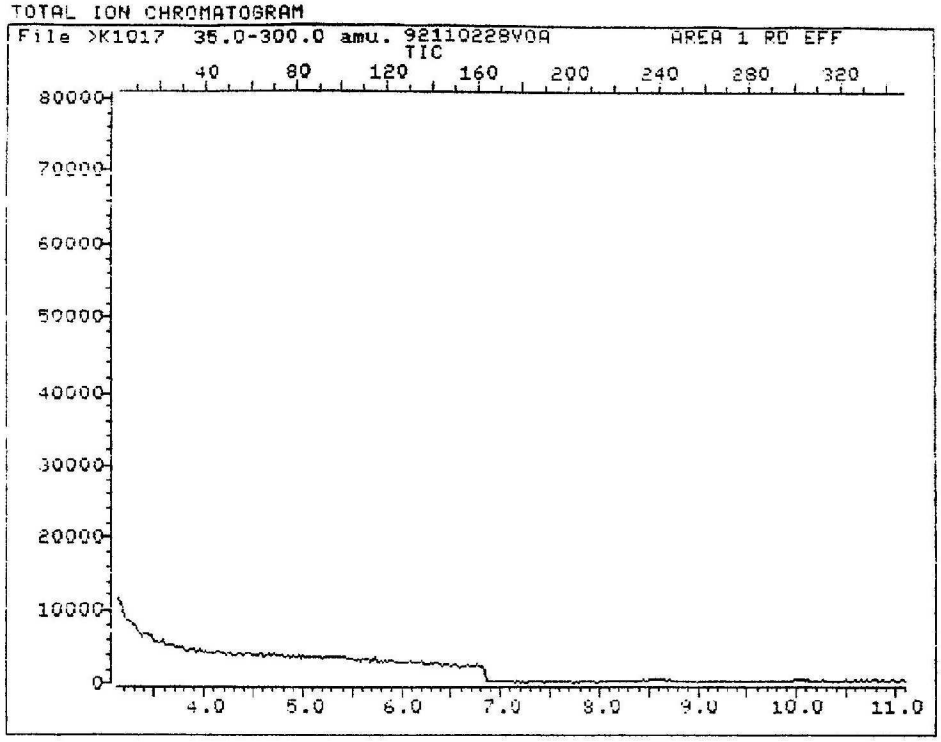
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	9552	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.89	469	23562	59.90	ug/L	89
17)	*1,4-Difluorobenzene	14.58	499	50431	50.00	ug/L	95
29)	*Chlorobenzene-d5	20.22	744	40054	50.00	ug/L	97
33)	Toluene-d8 (Surr)	17.37	620	51092	49.67	ug/L	87
37)	Bromofluorobenzene (Surr)	22.58	846	23997	50.58	ug/L	99

* Compound is ISTD



BNA02163006

TOTAL ION CHROMATOGRAM



Data File: >K1017::D4 Quant Output File: ^K1017::D1
Name: 92110228V0A Instrument ID: 5996B
Misc: AREA 1 RD EFF

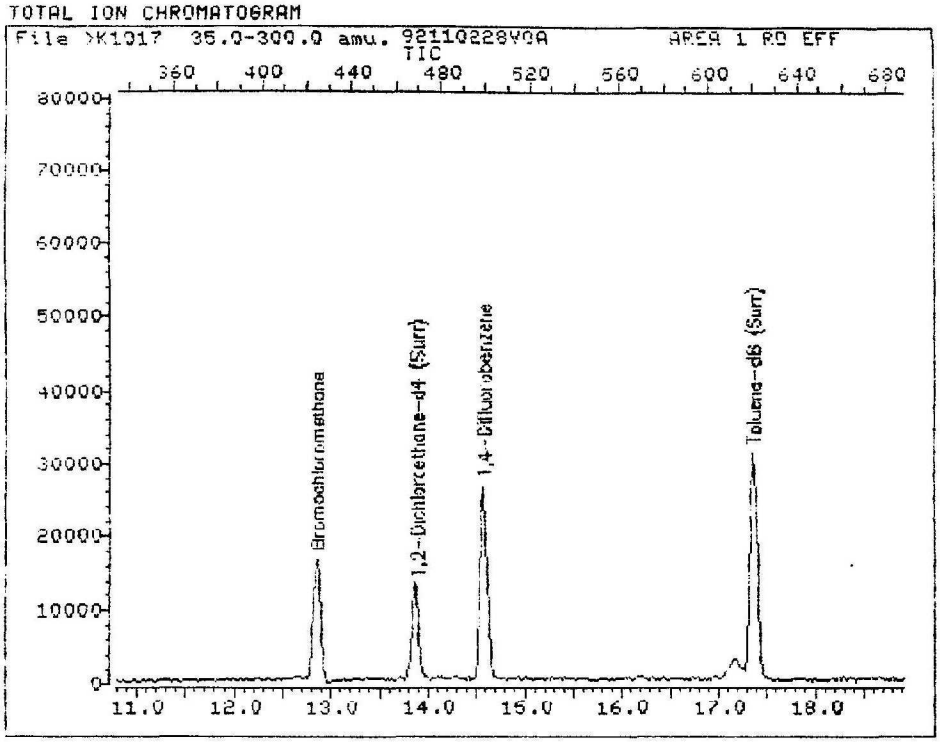
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:13
Injected at: 921110 20:55

BNA02163007

HDMSe00351690

TOTAL ION CHROMATOGRAM



Data File: >K1017::D4 Quant Output File: ^K1017::D1
Name: 92110228V0A Instrument ID: 5996B
Misc: AREA 1 RD EFF

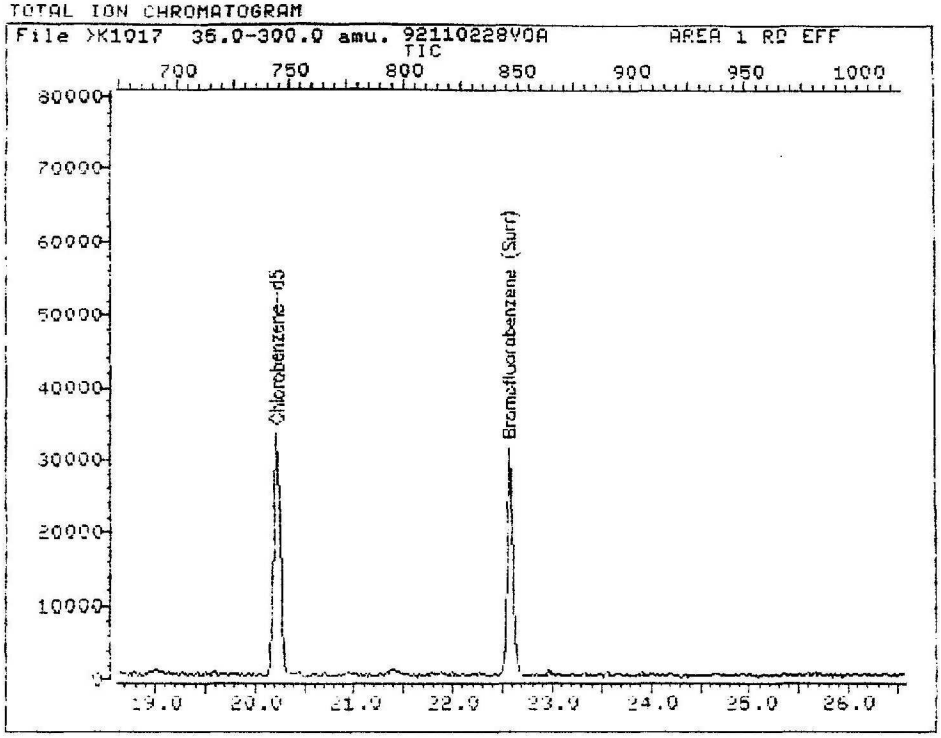
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:13
Injected at: 921110 20:55

BNA02163008

HDMSe00351691

TOTAL ION CHROMATOGRAM



Data File: ^K1017::D4 Quant Output File: ^K1017::D1
Name: 92110228V0A Instrument ID: 5996B
Misc: AREA 1 RD EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:13
Injected at: 921110 20:55

BNA02163009

HDMSe00351692

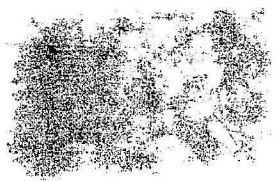
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:14
Output File: ^K1018::D1 Injected at: 921110 21:31
Data File: >K1018::D4 Dilution Factor: 1.00000
Name: 921102~~38~~WDA 224 Instrument ID: 5996B
Misc: ~~IDEP 228~~ ~~ARUN TEff~~ Alfa Eff
ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

VMD

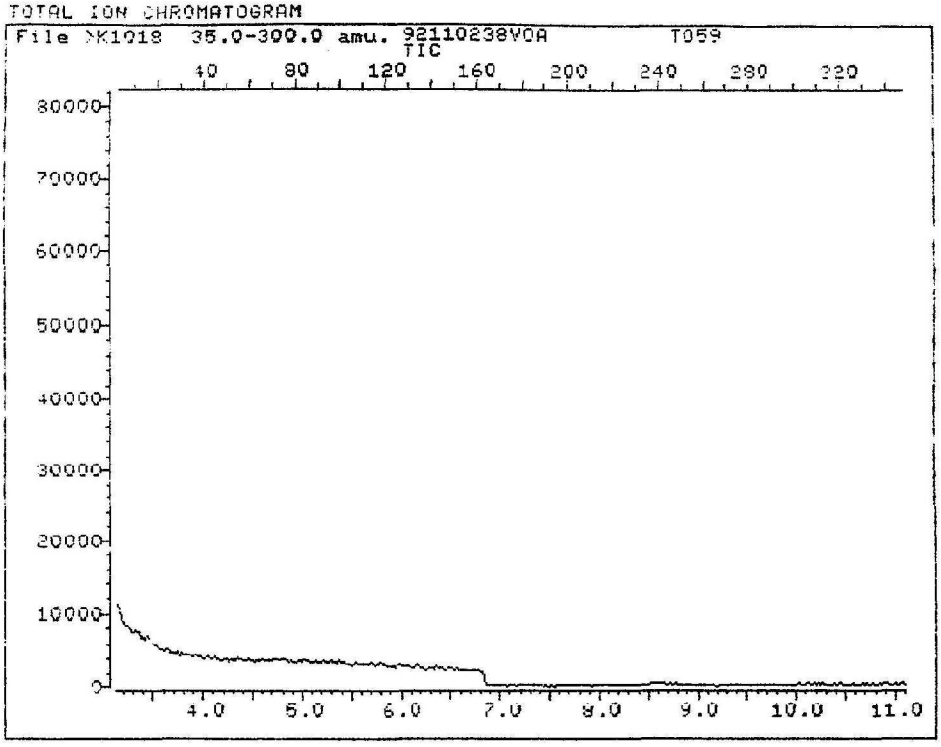
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	10795	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.89	469	27056	60.86	ug/L	87
17)	*1,4-Difluorobenzene	14.58	499	57061	50.00	ug/L	95
29)	*Chlorobenzene-d5	20.23	744	45446	50.00	ug/L	95
33)	Toluene-d8 (Surr)	17.37	620	58334	49.98	ug/L	92
37)	Bromofluorobenzene (Surr)	22.60	847	27207	50.54	ug/L	81

* Compound is ISTD



BNA02163010

TOTAL ION CHROMATOGRAM



Data File: >K1018::D4 Quant Output File: ^K1018::D1
Name: 92110238VOA Instrument ID: 5996B
Misc: T059

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

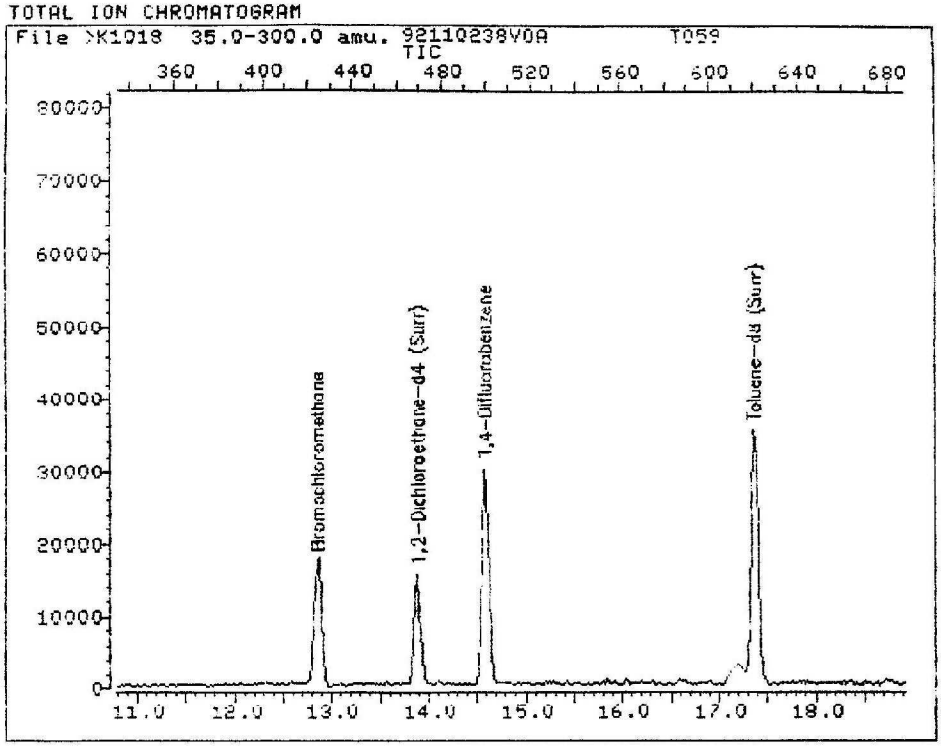
Operator ID: VONNIE
Quant Time : 921111 08:14
Injected at: 921110 21:31

Page 1 of 3

BNA02163011

HDMSe00351694

TOTAL ION CHROMATOGRAM



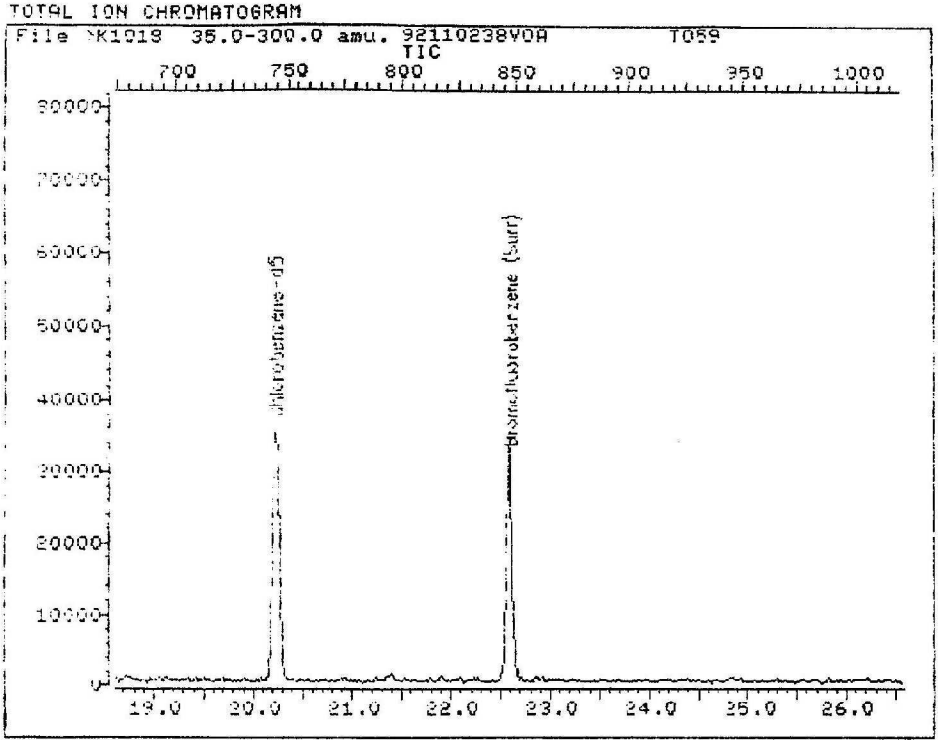
Data File: >K1018::D4 Quant Output File: ^K1018::D1
Name: 92110238V0A Instrument ID: 5996B
Misc: TO59

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:14
Injected at: 921110 21:31

BNA02163012
HDMSe00351695

TOTAL ION CHROMATOGRAM



Data File: ^K1018::D4 Quant Output File: ^K1018::D1
Name: 92110238V0A Instrument ID: 5996B
Misc: T059

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:14
Injected at: 921110 21:31

Page 3 of 3

BNA02163013

HDMSe00351696

QUANT REPORT Page 1

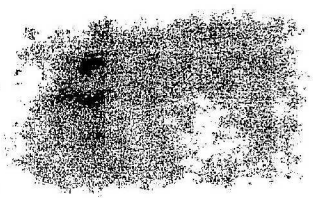
Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:14
Output File: ^K1019::D1 Injected at: 921110 22:08
Data File: >K1019::D4 Dilution Factor: 1.00000
Name: 921101~~24VOA 238~~ 228
Misc: ~~UU BATCH T-4 EFF 1051~~ Area 1 Eff Instrument ID: 5996B

ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

vmp

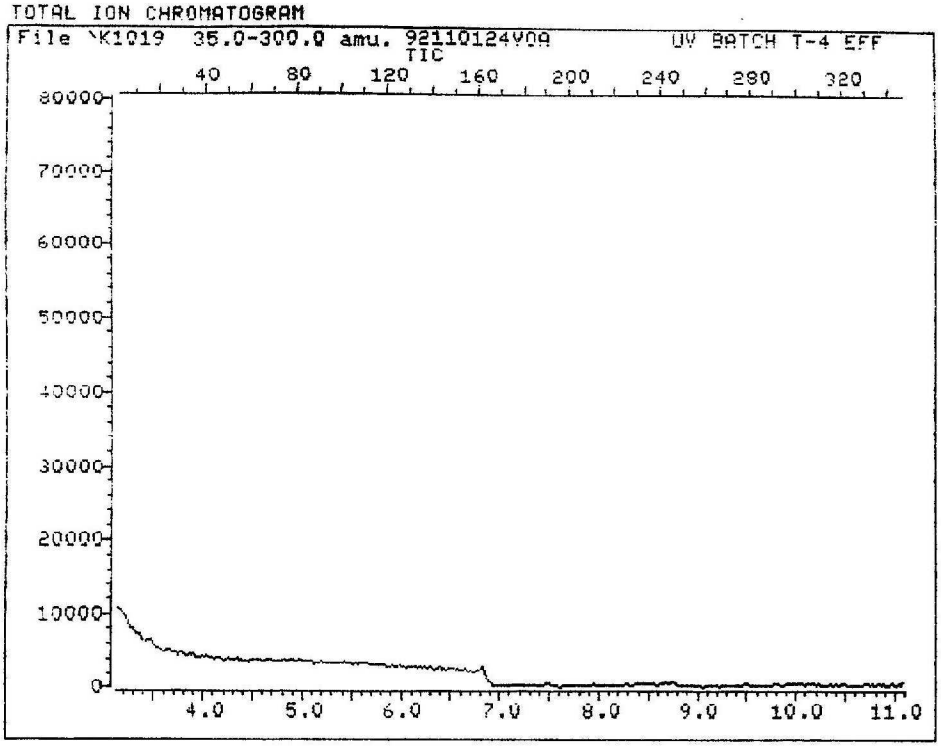
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	9542	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.87	468	22825	58.09	ug/L	81
17)	*1,4-Difluorobenzene	14.58	499	48096	50.00	ug/L	94
29)	*Chlorobenzene-d5	20.23	744	38572	50.00	ug/L	94
33)	Toluene-d8 (Surr)	17.37	620	50049	50.52	ug/L	90
37)	Bromofluorobenzene (Surr)	22.58	846	23025	50.40	ug/L	98

* Compound is ISTD



BNA02163014

TOTAL ION CHROMATOGRAM



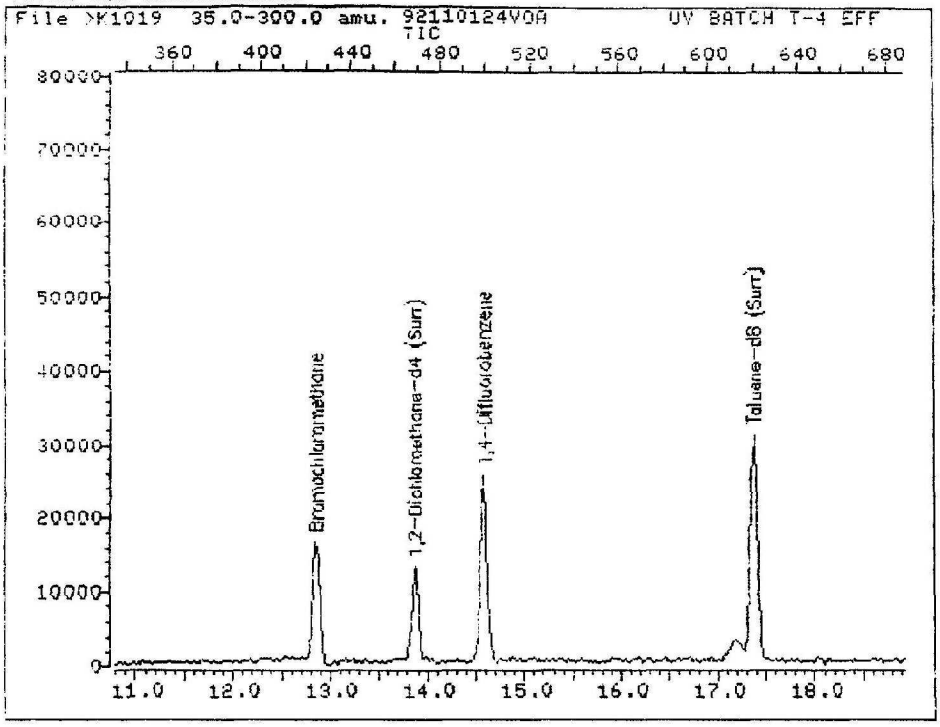
Data File: >K1019::D4 Quant Output File: ^K1019::D1
Name: 92110124V0A Instrument ID: 5996B
Misc: UV BATCH T-4 EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:14
Injected at: 921110 22:08

BNA02163015
HDMSe00351698

TOTAL ION CHROMATOGRAM



Data File: >K1019::D4 Quant Output File: ^K1019::D1
Name: 92110124VOA Instrument ID: 5996B
Misc: UV BATCH T-4 EFF

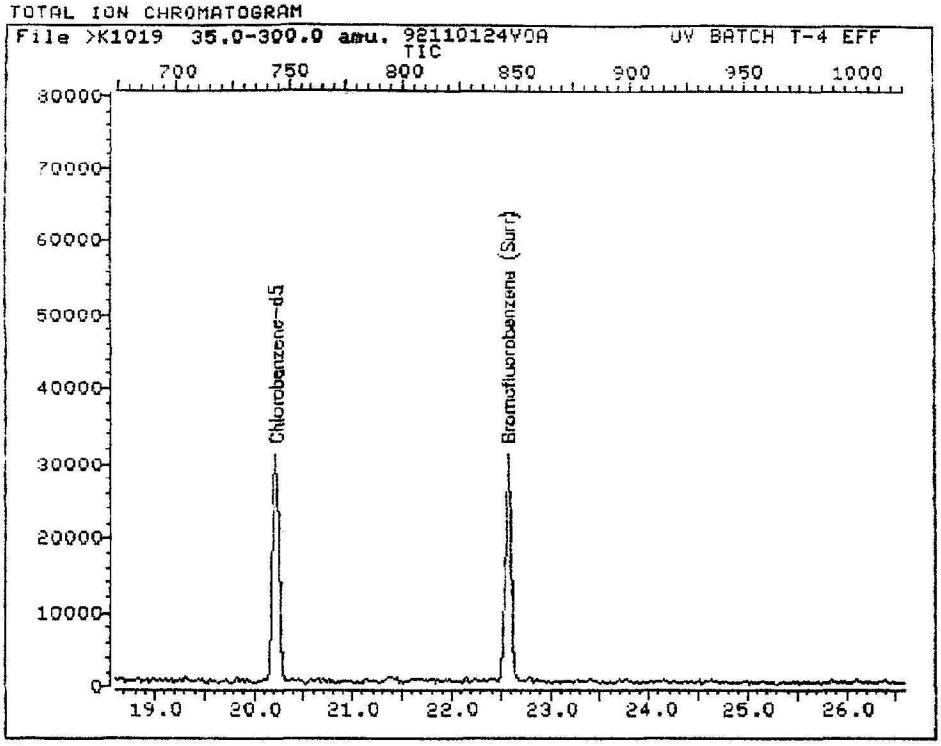
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:14
Injected at: 921110 22:08

BNA02163016

HDMSe00351699

TOTAL ION CHROMATOGRAM



Data File: >K1019::D4 Quant Output File: ^K1019::D1
Name: 92110124VOA Instrument ID: 5996B
Misc: UV BATCH T-4 EFF

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:14
Injected at: 921110 22:08

BNA02163017

HDMSe00351700

QUANT REPORT Page 1

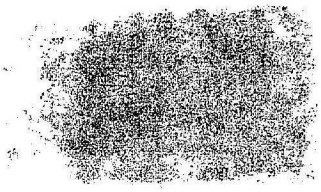
Operator ID: VONNIE
Output File: ^K1020::D1
Data File: >K1020::D4
Name: 921110~~096UBA~~ 238
Misc: ~~FIELD BLANK~~ TO59

Quant Rev: 7 Quant Time: 921111 08:16
Injected at: 921110 22:44
Dilution Factor: 1.00000
Instrument ID: 5996B

ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

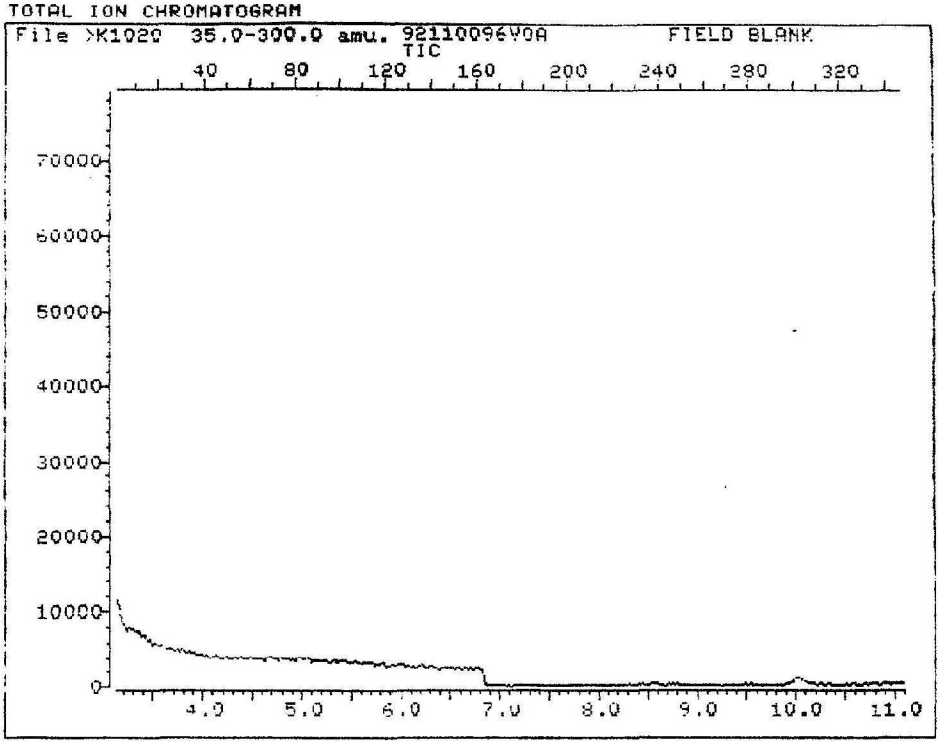
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	9307	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.87	468	22713	59.26	ug/L	78
17)	*1,4-Difluorobenzene	14.58	499	48753	50.00	ug/L	95
29)	*Chlorobenzene-d5	20.23	744	38281	50.00	ug/L	95
30)	Tetrachloroethylene	18.73	679	1689	4.58	ug/L (VMO)	98
33)	Toluene-d8 (Surr)	17.37	620	51096	51.97	ug/L	90
37)	Bromofluorobenzene (Surr)	22.58	846	23151	51.06	ug/L	97

* Compound is ISTD



BNA02163018

TOTAL ION CHROMATOGRAM



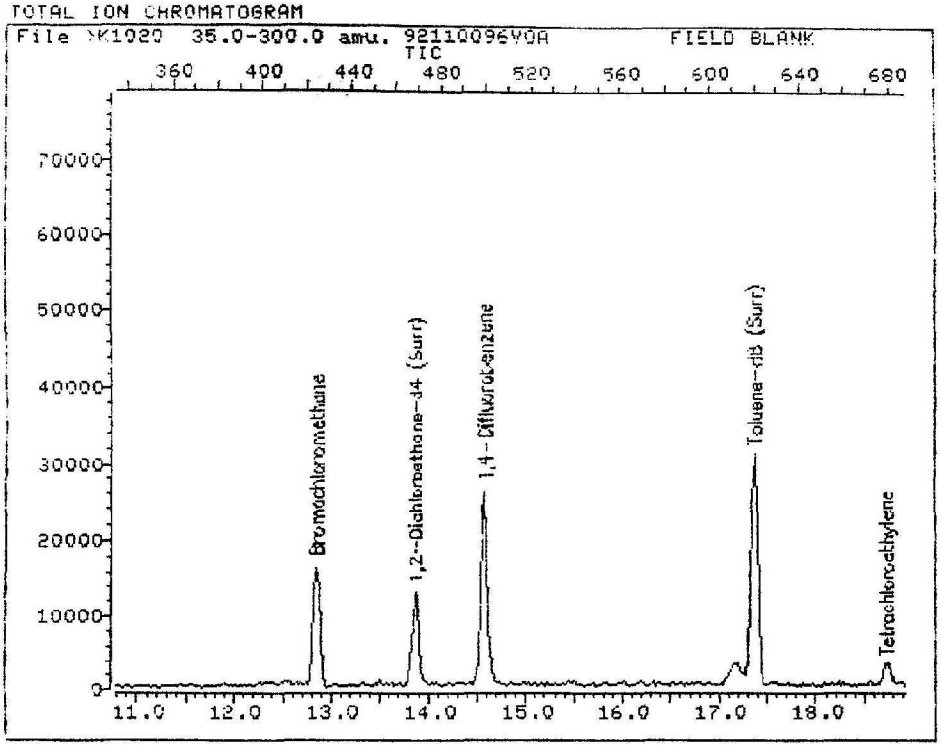
Data File: >K1020::D4 Quant Output File: ^K1020::D1
Name: 92110096V0A Instrument ID: 5996B
Misc: FIELD BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:16
Injected at: 921110 22:44

BNA02163019

TOTAL ION CHROMATOGRAM



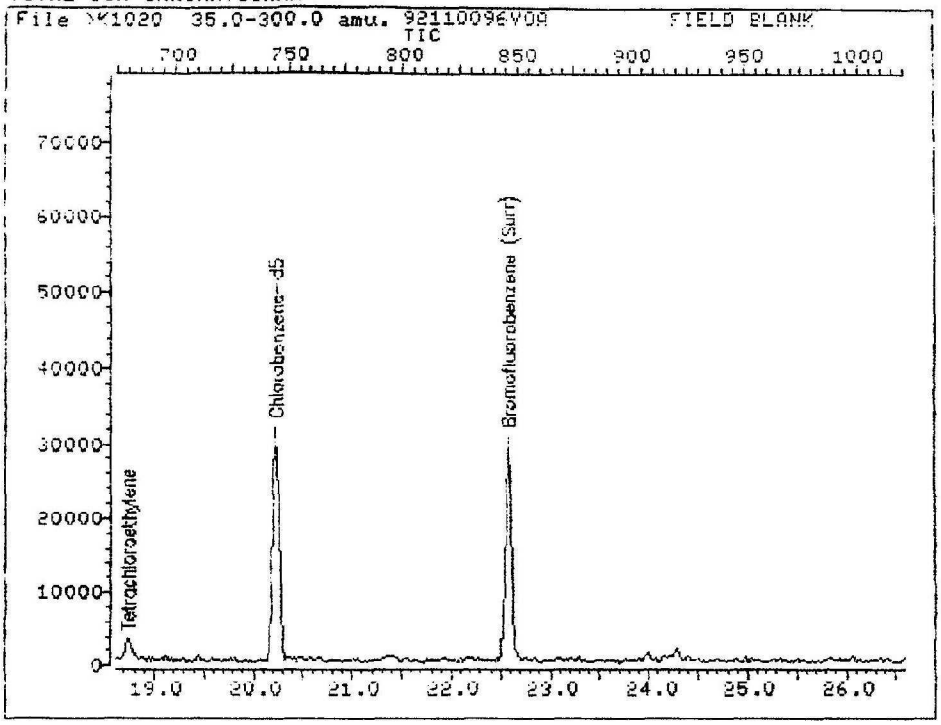
Data File: >K1020::D4 Quant Output File: ^K1020::D1
Name: 92110096VOA Instrument ID: 5996B
Misc: FIELD BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:16
Injected at: 921110 22:44

BNA02163020
HDMSe00351703

TOTAL ION CHROMATOGRAM



Data File: >K1020::D4 Quant Output File: ^K1020::D1
Name: 92110096VOA Instrument ID: 5996B
Misc: FIELD BLANK

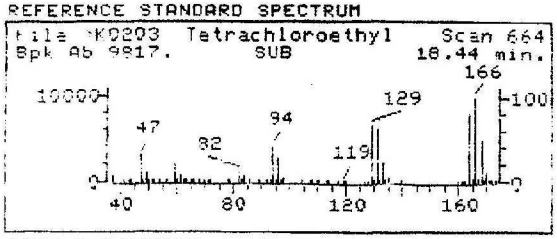
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:16
Injected at: 921110 22:44

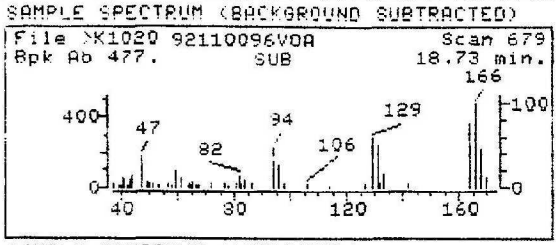
BNA02163021

HDMSe00351704

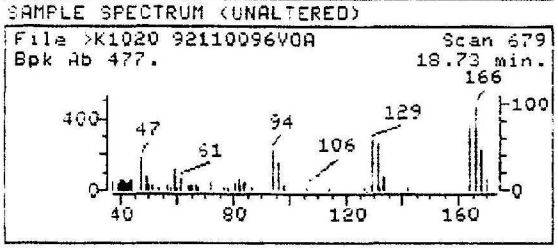
REFERENCE STANDARD SPECTRUM

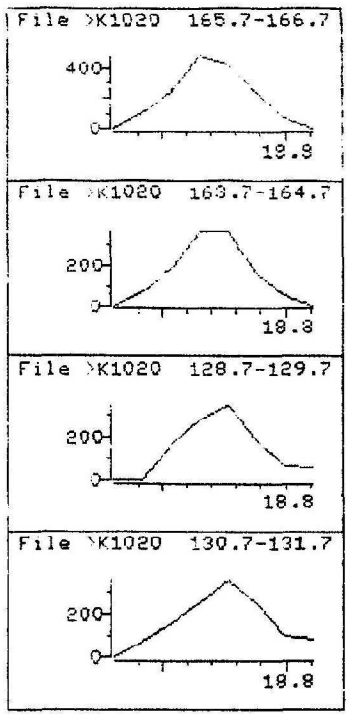


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >K1020::D4
Name: 92110096V0A
Misc: FIELD BLANK
Quant Time: 921111 08:16
Injected at: 921110 22:44
Last Qcal Time: <none>

Quant Output File: ^K1020::D1
Instrument ID: 5996B

Quant ID File: ID_K10::SC
Last Calibration: 921111 08:06

Compound No : 30
Compound Name : Tetrachloroethylene
Scan Number : 679
Retention Time: 18.73 min.
Quant Ion : 164.0
Area : 1689
Concentration : 4.58 ug/L
q-value : 98

BNA02163022
HDMSe00351705

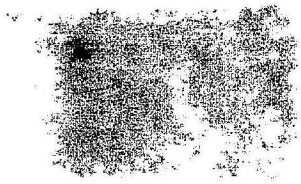
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:17
Output File: ^K1021::D1 Injected at: 921110 23:21
Data File: ^K1021::D4 Dilution Factor: 1.00000
Name: 92110~~125~~VOA 0946/24 Instrument ID: 59968
Misc: ~~TRIP~~ BLANK UV Batch T-4
Field
ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

UMS

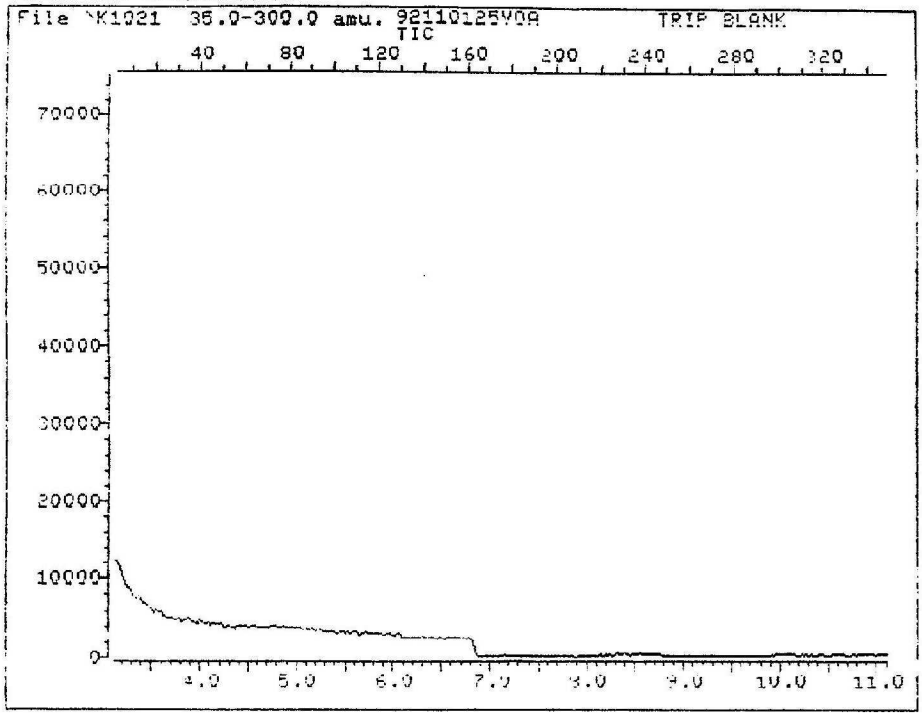
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	9771	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.87	468	22935	57.00	ug/L	85
17)	*1,4-Difluorobenzene	14.56	498	49393	50.00	ug/L	95
29)	*Chlorobenzene-d5	20.21	743	39954	50.00	ug/L	98
33)	Toluene-d8 (Surr)	17.37	620	52399	51.06	ug/L	88
37)	Bromofluorobenzene (Surr)	22.58	846	23100	48.81	ug/L	88

* Compound is ISTD



BNA02163023

TOTAL ION CHROMATOGRAM

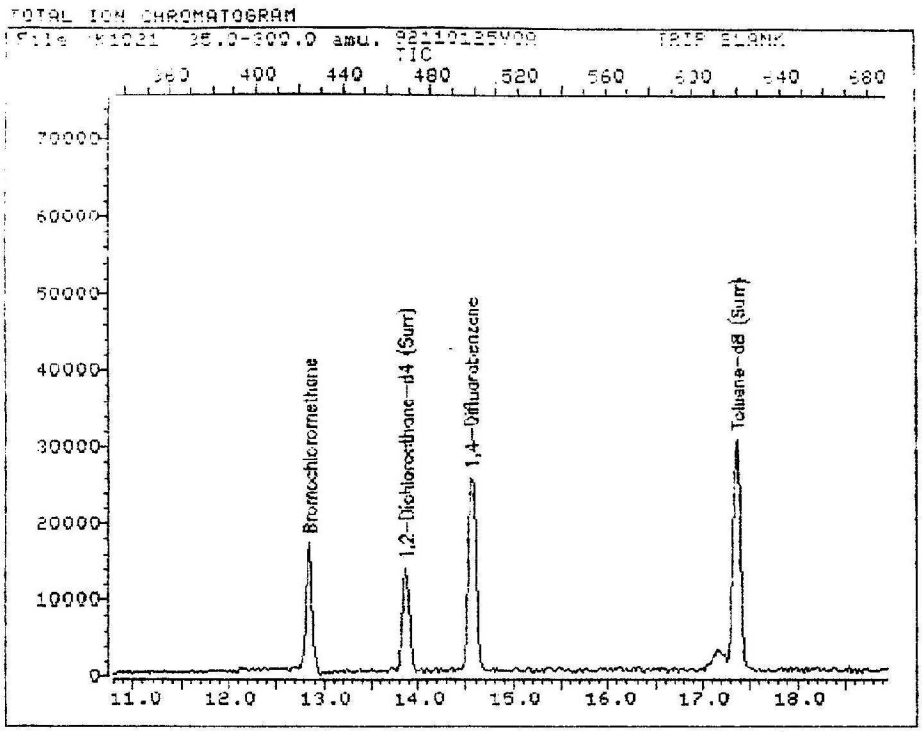


Data File: ^K1021::D4 Quant Output File: ^K1021::D1
Name: 92110125V0A Instrument ID: 5996B
Misc: TRIP BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: (none)

Operator ID: VONNIE
Quant Time : 921111 08:17
Injected at: 921110 23:21

BNA02163024
HDMSe00351707



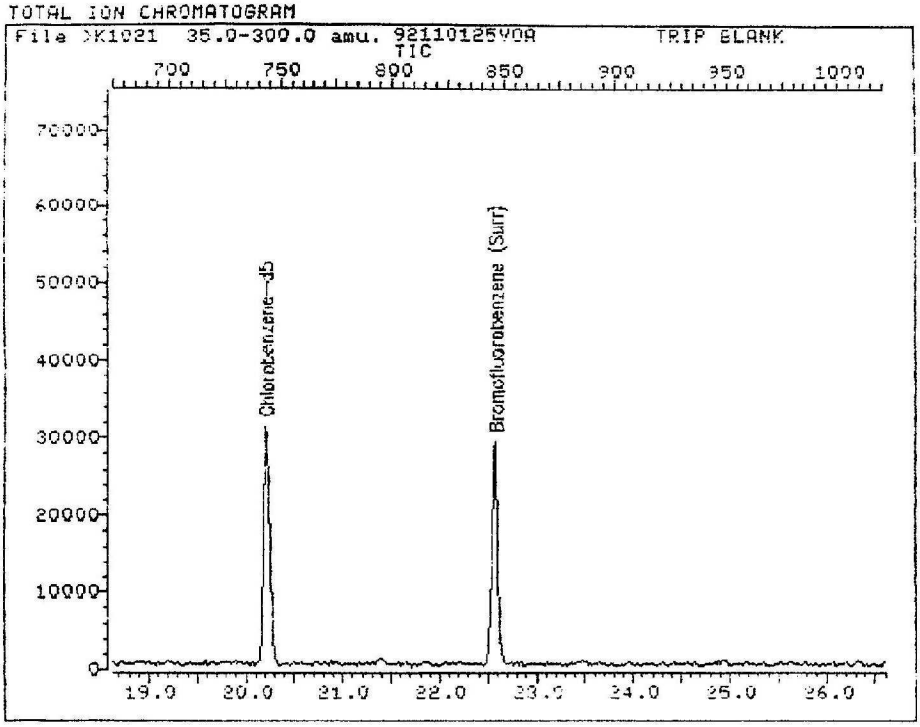
Data File: >K1021::D4 Quant Output File: ^K1021::D1
Name: 92110125V0A Instrument ID: 5996B
Misc: TRIP BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:17
Injected at: 921110 23:21

BNA02163025
HDMSe00351708

TOTAL ION CHROMATOGRAM



Data File: >K1021::D4 Quant Output File: ^K1021::D1
Name: 92110125V0A Instrument ID: 5996B
Misc: TRIP BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:17
Injected at: 921110 23:21

BNA02163026

HDMSe00351709

QUANT REPORT Page 1

Operator ID: VONNIE
Output File: ^K1022::D1
Data File: ^K1022::D4
Name: 921110~~179~~.DA ~~8~~96
Misc: ~~TRIP~~ Field BLANK
ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve

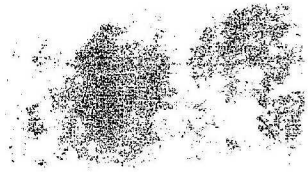
Quant Rev: 7 Quant Time: 921111 08:18
Injected at: 921110 23:58
Dilution Factor: 1.00000
Instrument ID: 59968

Last Calibration: 921111 08:06 Last Qcal Time: <none>

two

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.85	424	9970	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.87	468	24334	59.27	ug/L	90
17)	*1,4-Difluorobenzene	14.56	498	49879	50.00	ug/L	98
29)	*Chlorobenzene-d5	20.21	743	39208	50.00	ug/L	95
33)	Toluene-d8 (Surr)	17.35	619	52281	51.92	ug/L	97
37)	Bromofluorobenzene (Surr)	22.58	846	23130	49.80	ug/L	92

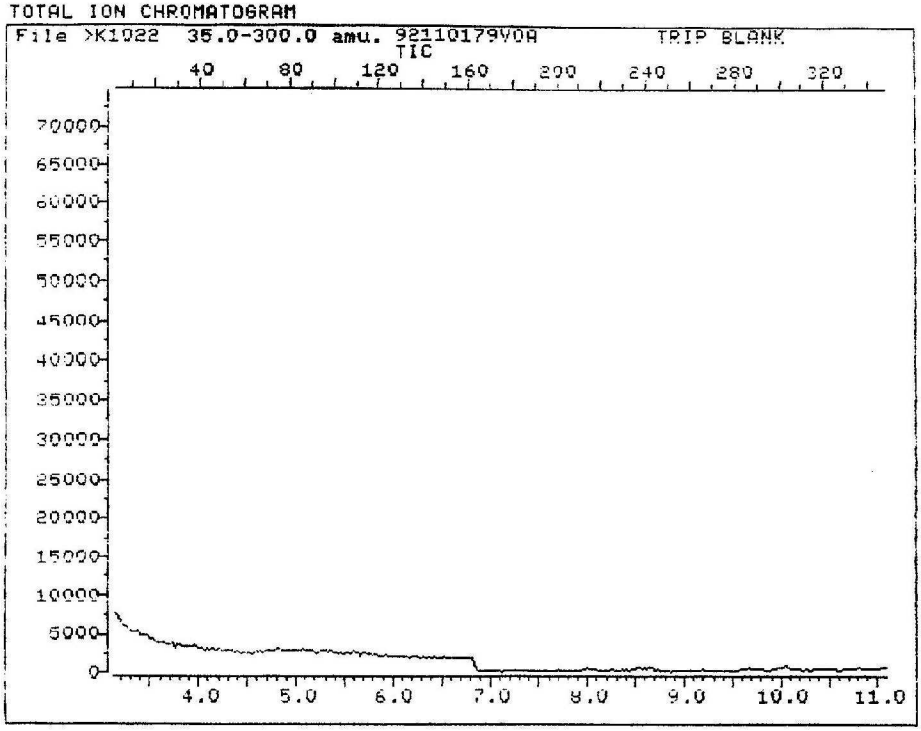
* Compound is ISTD



BNA02163027

HDMSe00351710

TOTAL ION CHROMATOGRAM



Data File: >K1022::D4 Quant Output File: ^K1022::D1
Name: 92110179V0A Instrument ID: 5996B
Misc: TRIP BLANK

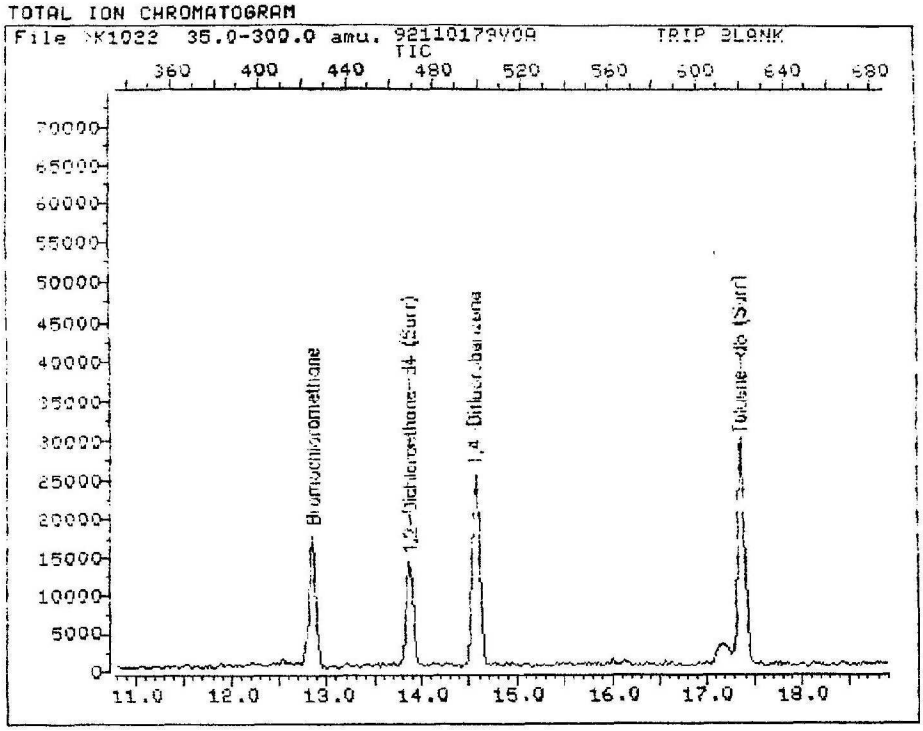
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:18
Injected at: 921110 23:58

BNA02163028

HDMSe00351711

TOTAL ION CHROMATOGRAM



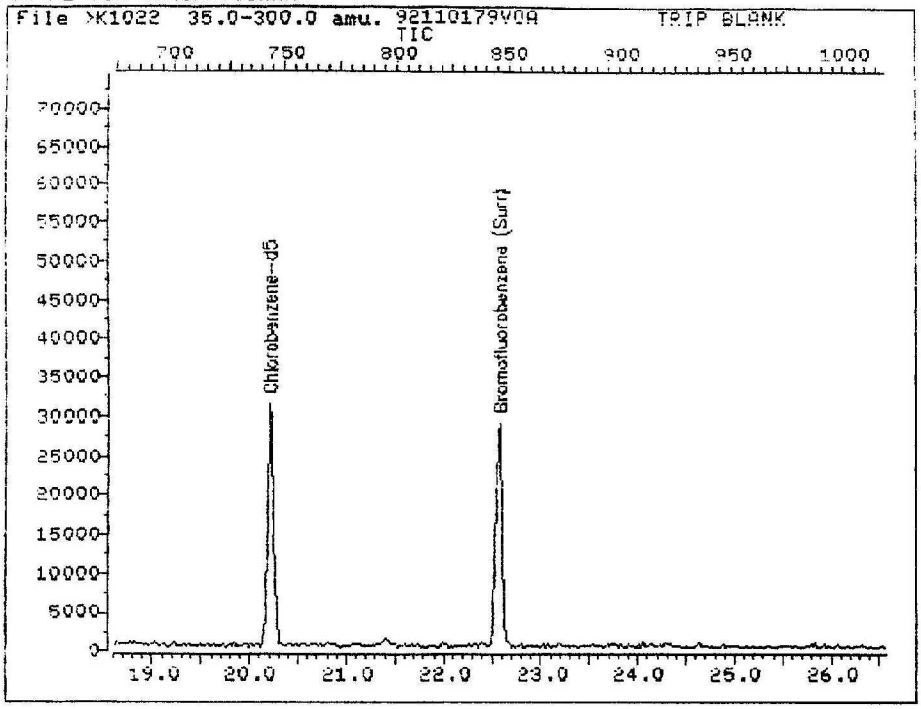
Data File: >K1022::D4 Quant Output File: ^K1022::D1
Name: 92110179V0A Instrument ID: 5996B
Misc: TRIP BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:18
Injected at: 921110 23:58

BNA02163029
HDMSe00351712

TOTAL ION CHROMATOGRAM



Data File: >K1022::D4 Quant Output File: ^K1022::D1
Name: 92110179V0A Instrument ID: 5996B
Misc: TRIP BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:18
Injected at: 921110 23:58

BNA02163030

HDMSe00351713

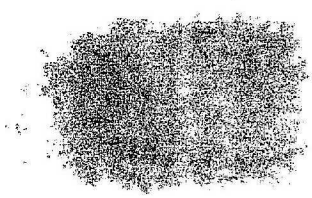
QUANT REPORT Page 1

Operator ID: VONNIE
Output File: ^K1023::D1
Data File: >K1023::D4
Name: 921110235VOA 125
Misc: BLDG 300 BLANK
Trip
ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06

Quant Rev: 7 Quant Time: 921111 08:19
Injected at: 921111 00:35
Dilution Factor: 1.00000
Instrument ID: 59968
Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.86	424	9646	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.87	468	23578	59.36	ug/L	91
17)	*1,4-Difluorobenzene	14.56	498	47996	50.00	ug/L	97
29)	*Chlorobenzene-d5	20.21	743	38820	50.00	ug/L	96
33)	Toluene-d8 (Surr)	17.35	619	49891	50.04	ug/L	93
37)	Bromofluorobenzene (Surr)	22.59	846	22383	48.68	ug/L	85

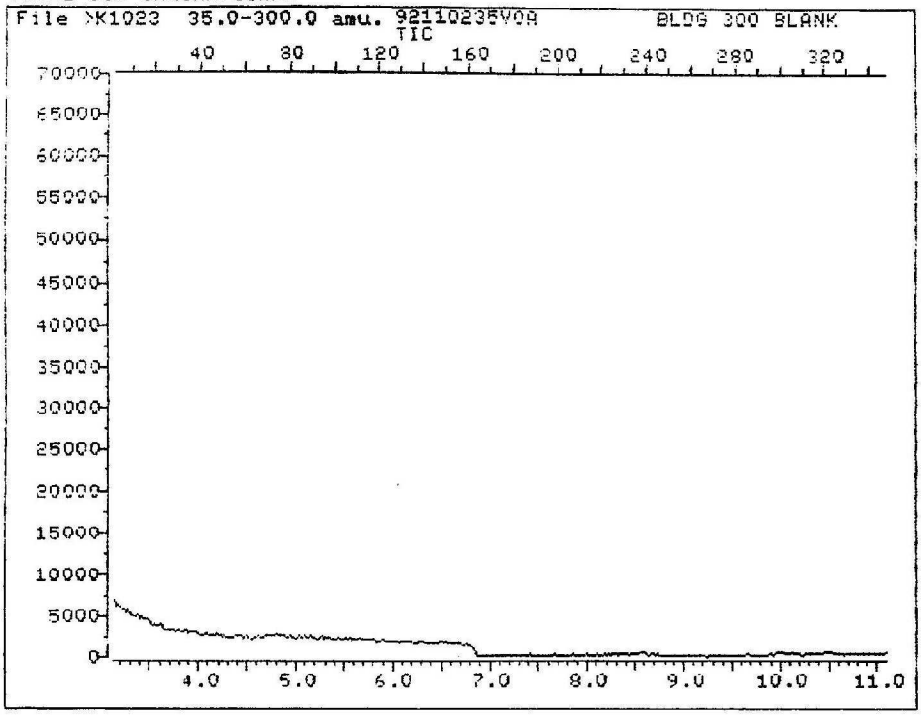
* Compound is ISTD



BNA02163031

HDMSe00351714

TOTAL ION CHROMATOGRAM



Data File: >K1023::D4 Quant Output File: ^K1023::D1
Name: 92110235V0A Instrument ID: 5996B
Misc: BLDG 300 BLANK

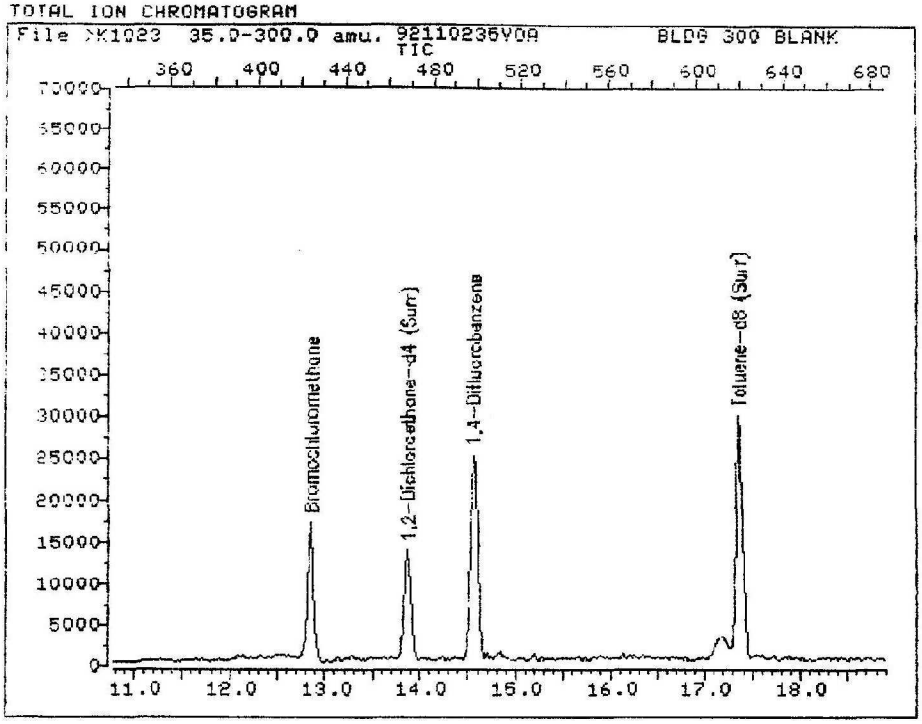
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:19
Injected at: 921111 00:35

BNA02163032

HDMSe00351715

TOTAL ION CHROMATOGRAM



Data File: >K1023::D4 Quant Output File: ^K1023::D1
Name: 92110235V0A Instrument ID: 5996B
Misc: BLDG 300 BLANK

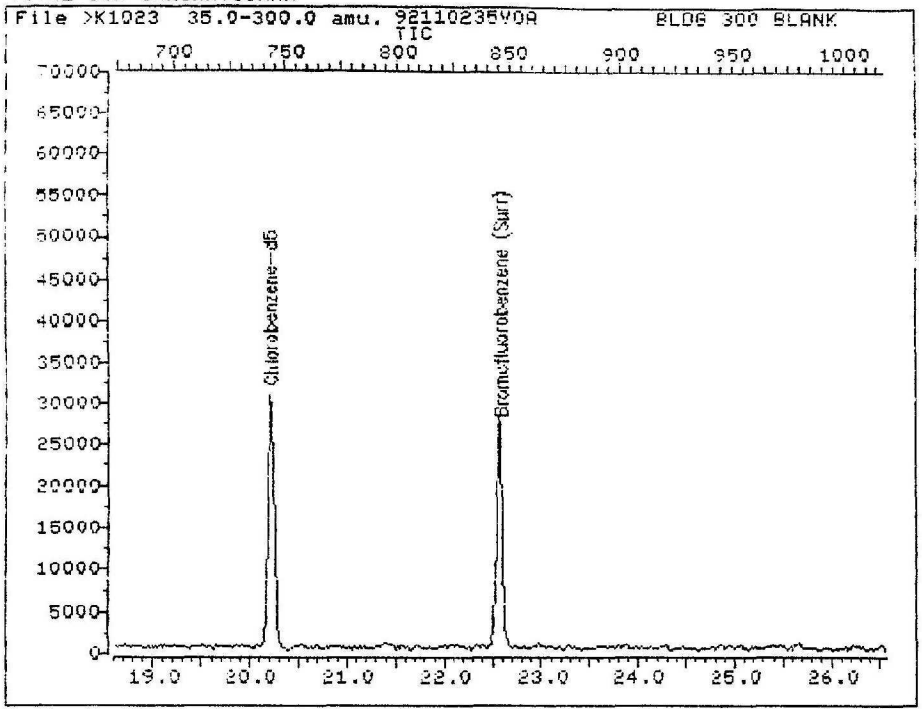
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:19
Injected at: 921111 00:35

BNA02163033

HDMSe00351716

TOTAL ION CHROMATOGRAM



Data File: >K1023::D4 Quant Output File: ^K1023::D1
Name: 92110235V0A Instrument ID: 5996B
Misc: BLDG 300 BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:19
Injected at: 921111 00:35

BNA02163034

HDMSe00351717

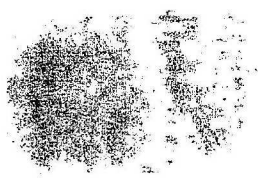
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:20
Output File: ^K10%R::D1 Injected at: 921111 01:11
Data File: ^K10%R::D4 Dilution Factor: 1.00000
Name: ~~XXXXXXXXXX~~0A 179 Instrument ID: 5996B
Misc: ~~BLANLK SPIKE~~ Trip BLK

ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.86	424	11315	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.37	468	27206	58.39	ug/L	88
17)	*1,4-Difluorobenzene	14.56	498	55904	50.00	ug/L	95
29)	*Chlorobenzene-d5	20.21	743	43856	50.00	ug/L	99
33)	Toluene-d8 (Surr)	17.38	620	57860	51.37	ug/L	87
37)	Bromofluorobenzene (Surr)	22.59	846	26004	50.06	ug/L	88

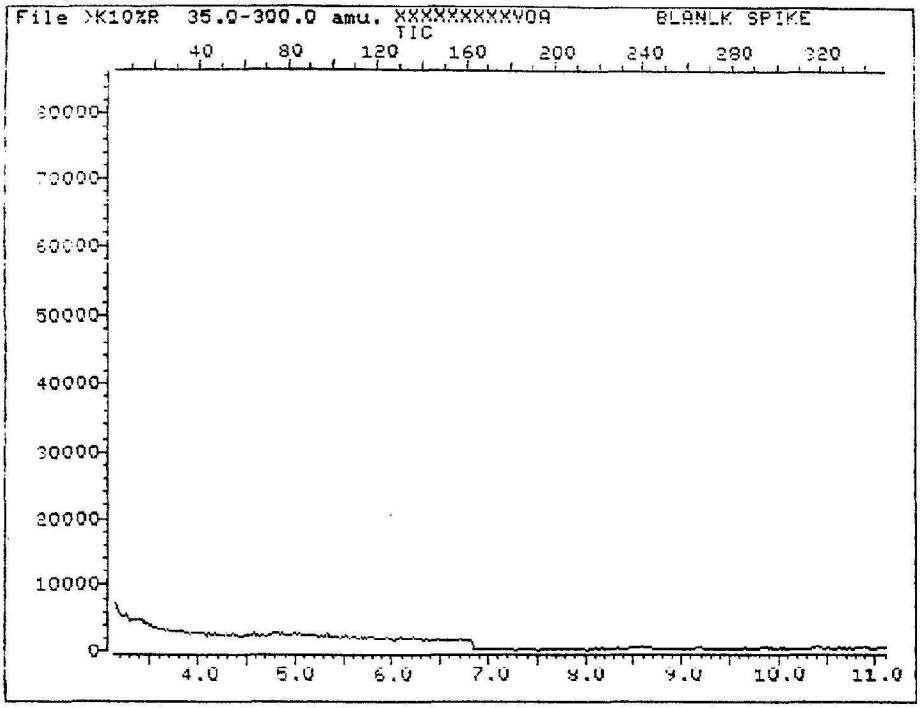
* Compound is ISTD



BNA02163035

HDMSe00351718

TOTAL ION CHROMATOGRAM



Data File: >K10%R::D4 Quant Output File: ^K10%R::D1
Name: XXXXXXXXXXVOA Instrument ID: 5996B
Misc: BLANLK SPIKE

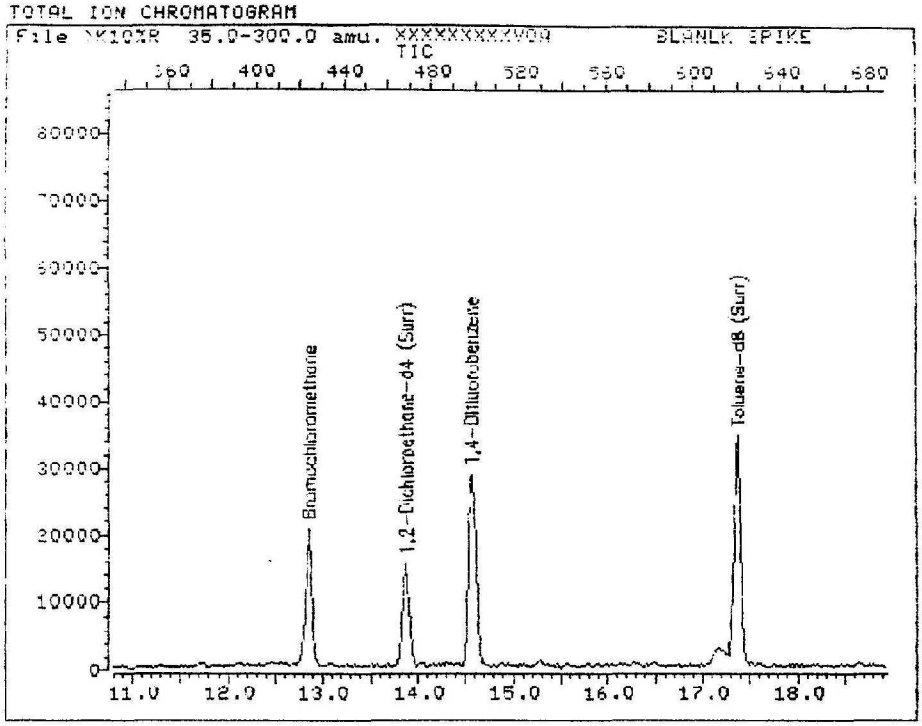
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:20
Injected at: 921111 01:11

BNA02163036

HDMSe00351719

TOTAL ION CHROMATOGRAM



Data File: >K10%R::D4 Quant Output File: ^K10%R::D1
Name: XXXXXXXXXVOA Instrument ID: 5996B
Misc: BLANLK SPIKE

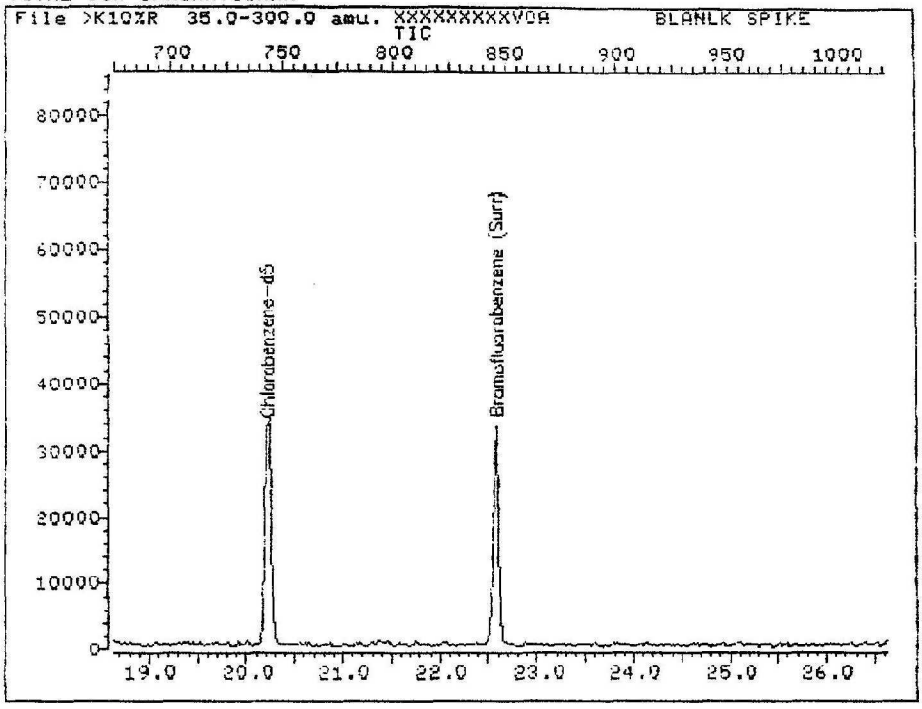
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:20
Injected at: 921111 01:11

BNA02163037

HDMSe00351720

TOTAL ION CHROMATOGRAM



Data File: >K10%R::D4 Quant Output File: ^K10%R::D1
Name: XXXXXXXXXVOA Instrument ID: 5996B
Misc: BLANLK SPIKE

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:20
Injected at: 921111 01:11

BNA02163038

HDMSe00351721

QUANT REPORT Page 1

Operator ID: VONNIE
Output File: ^K1011::D1
Data File: >K1011::D4
Name: 92110196VOA
Misc: T-E280992

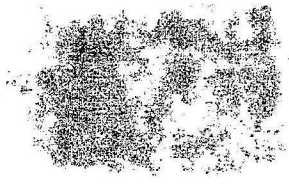
Quant Rev: 7 Quant Time: 921111 08:20
Injected at: 921110 17:15
Dilution Factor: 1.00000
Instrument ID: 5996B

ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

VMD

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.87	425	12895	50.00	ug/L	100
15)	1,2-Dichloroethane-d4 (Surr)	13.86	468	28764	54.17	ug/L	85
17)	*1,4-Difluorobenzene	14.56	498	62087	50.00	ug/L	96
18)	1,1,1-Trichloroethane (TCA)	13.31	444	6436	7.88	ug/L	81
23)	Trichloroethylene (TCE)	15.18	525	42676	78.66	ug/L	97
29)	*Chlorobenzene-d5	20.23	744	49484	50.00	ug/L	93
33)	Toluene-d8 (Surr)	17.35	619	64146	50.47	ug/L	90
37)	Bromofluorobenzene (Surr)	22.58	846	29321	50.02	ug/L	96

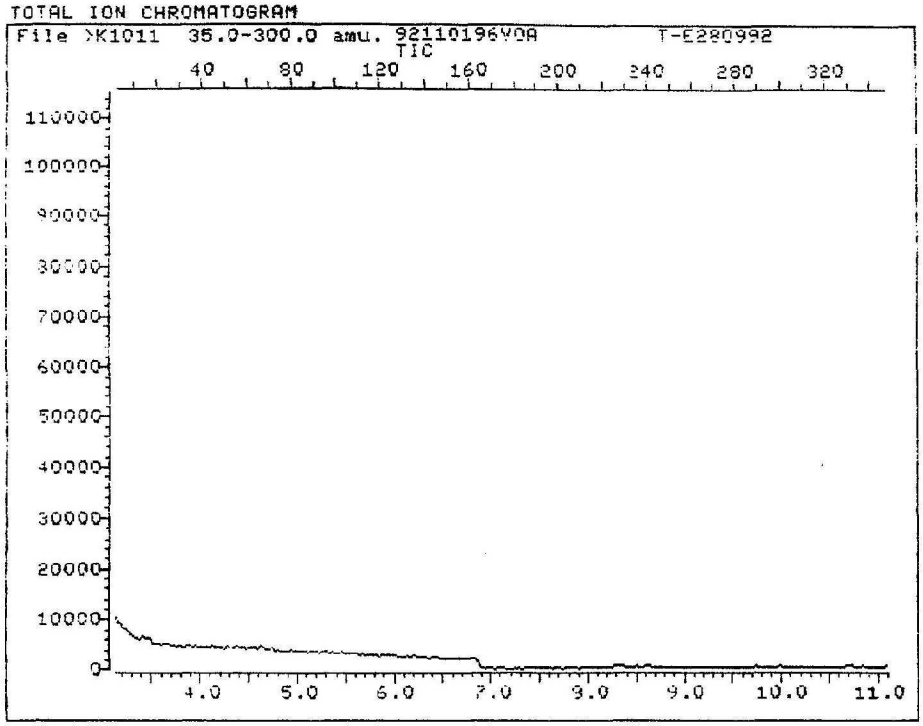
* Compound is ISTD



BNA02163039

HDMSe00351722

TOTAL ION CHROMATOGRAM



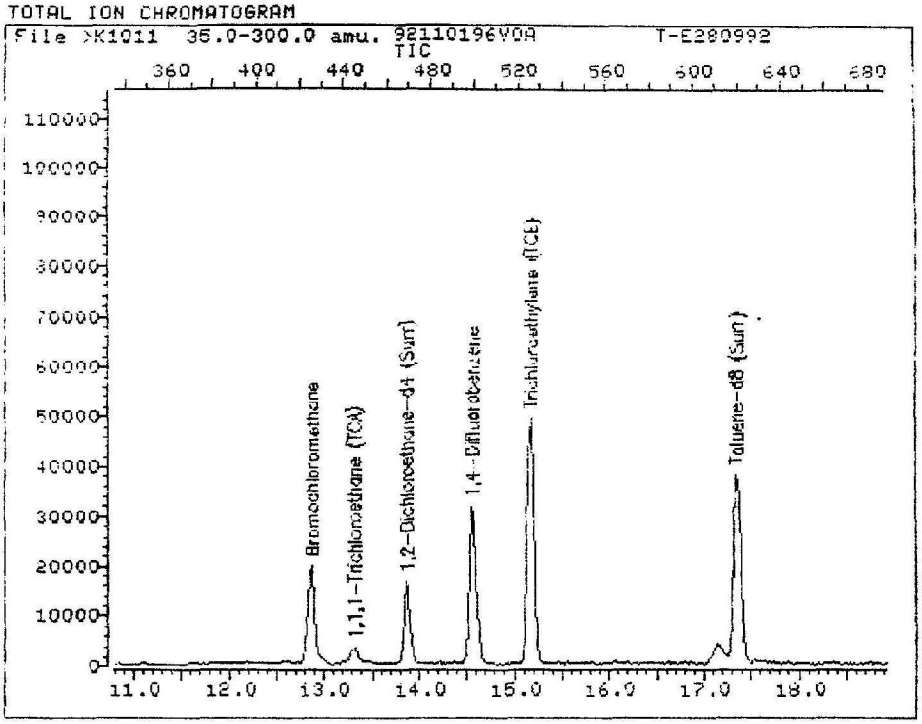
Data File: >K1011::D4 Quant Output File: ^K1011::D1
Name: 92110196VOA Instrument ID: 5996B
Misc: T-E280992

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:20
Injected at: 921110 17:15

BNA02163040
HDMSe00351723

TOTAL ION CHROMATOGRAM



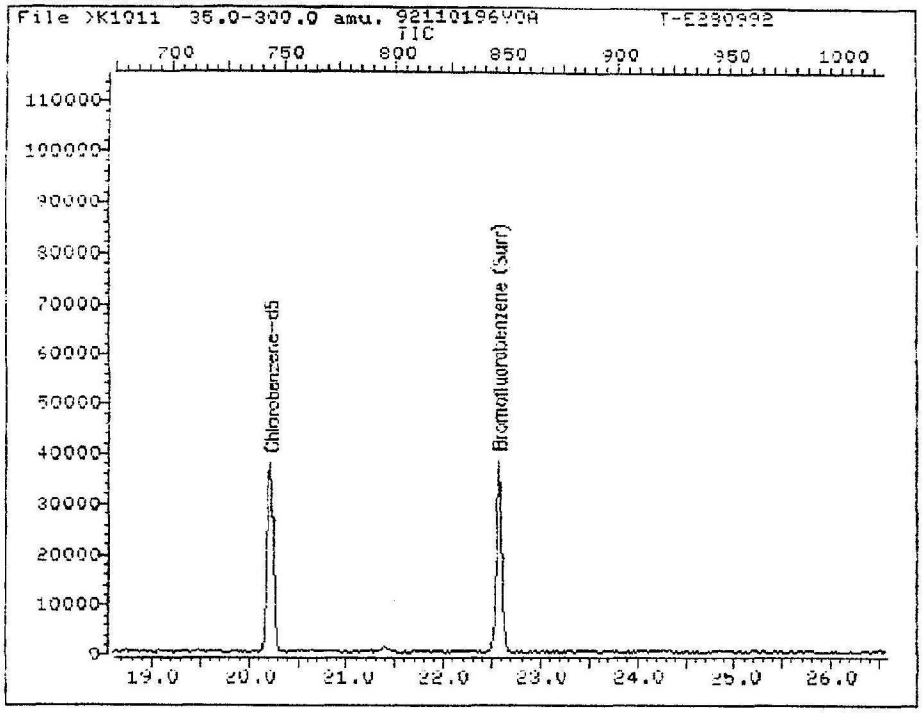
Data File: >K1011::D4 Quant Output File: ^K1011::D1
Name: 92110196V0A Instrument ID: 5996B
Misc: T-E280992

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:20
Injected at: 921110 17:15

BNA02163041
HDMSe00351724

TOTAL ION CHROMATOGRAM



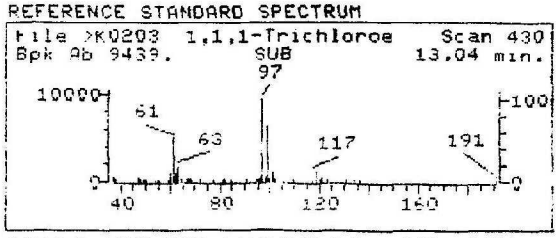
Data File: >K1011::D4 Quant Output File: ^K1011::D1
Name: 92110196V0A Instrument ID: 5996B
Misc: T-E280992

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

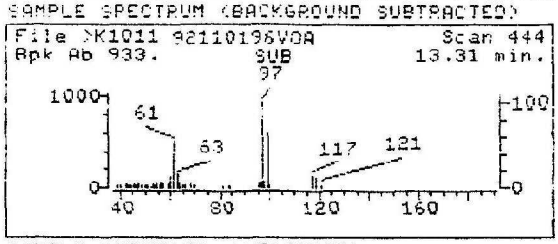
Operator ID: VONNIE
Quant Time : 921111 08:20
Injected at: 921110 17:15

BNA02163042
HDMSe00351725

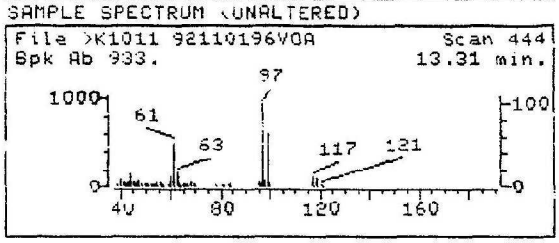
REFERENCE STANDARD SPECTRUM

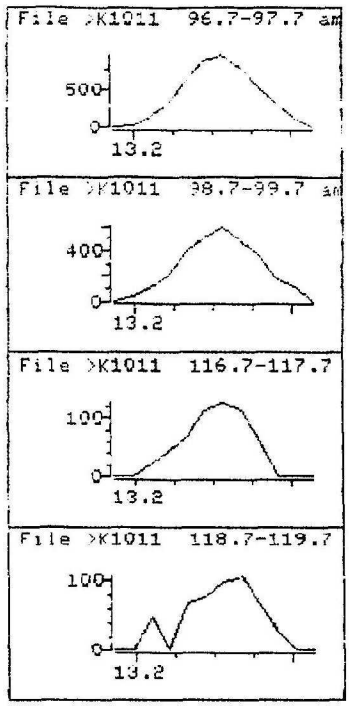


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





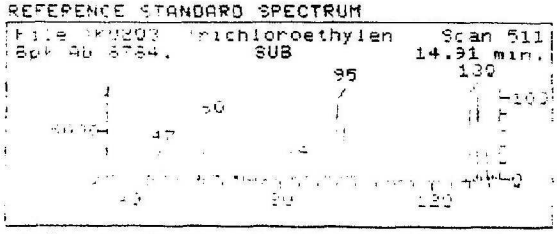
Data File: >K1011::D4 Quant Output File: ^K1011::D1
Name: 92110196VOA Instrument ID: 5996B
Misc: T-E280992
Quant Time: 921111 08:20 Quant ID File: ID_K10::SC
Injected at: 921110 17:15 Last Calibration: 921111 08:06
Last Qcal Time: <none>

Compound No : 18
Compound Name : 1,1,1-Trichloroethane (TCA)
Scan Number : 444
Retention Time: 13.31 min.
Quant Ion : 97.0
Area : 6436
Concentration : 7.88 ug/L
q-value : 81

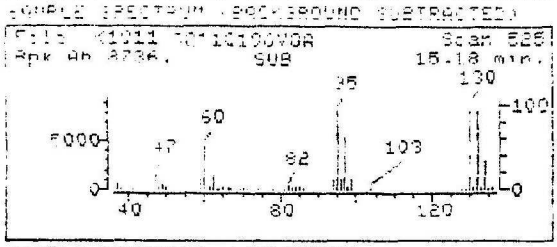
BNA02163043

HDMSe00351726

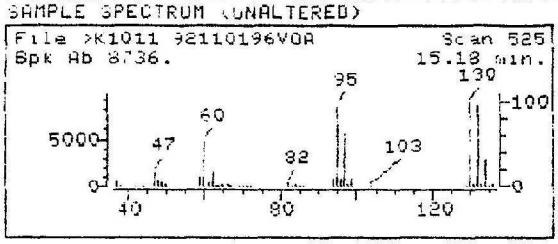
REFERENCE STANDARD SPECTRUM

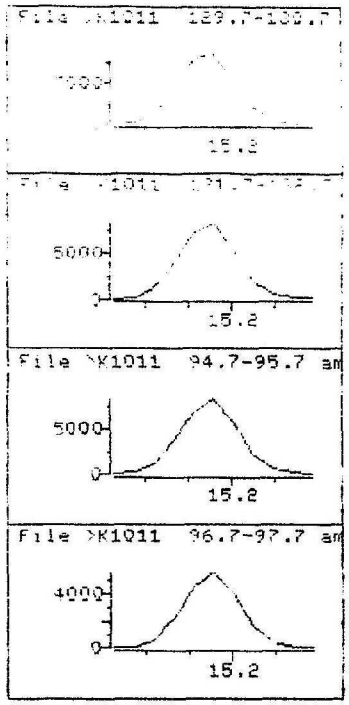


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >K1011::D4
Name: 92110196VOA
Misc: T-E280992
Quant Time: 921111 08:20
Injected at: 921110 17:15
Last Qcal Time: <none>

Quant Output File: ^K1011::D1
Instrument ID: 5996B
Quant ID File: ID_K10::SC
Last Calibration: 921111 08:06

Compound No : 23
Compound Name : Trichloroethylene (TCE)
Scan Number : 525
Retention Time: 15.18 min.
Quant Ion : 130.0
Area : 42676
Concentration : 78.66 ug/L
q-value : 97

BNA02163044

HDMSe00351727

QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:50
Output File: >K1009::QT Injected at: 921110 15:34
Data File: >K1009::D4 Dilution Factor: 1.00000
Name: XXXXXXXXXUDA Instrument ID: 59968
Misc: 100 UG/L CBCHK

ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: (none)

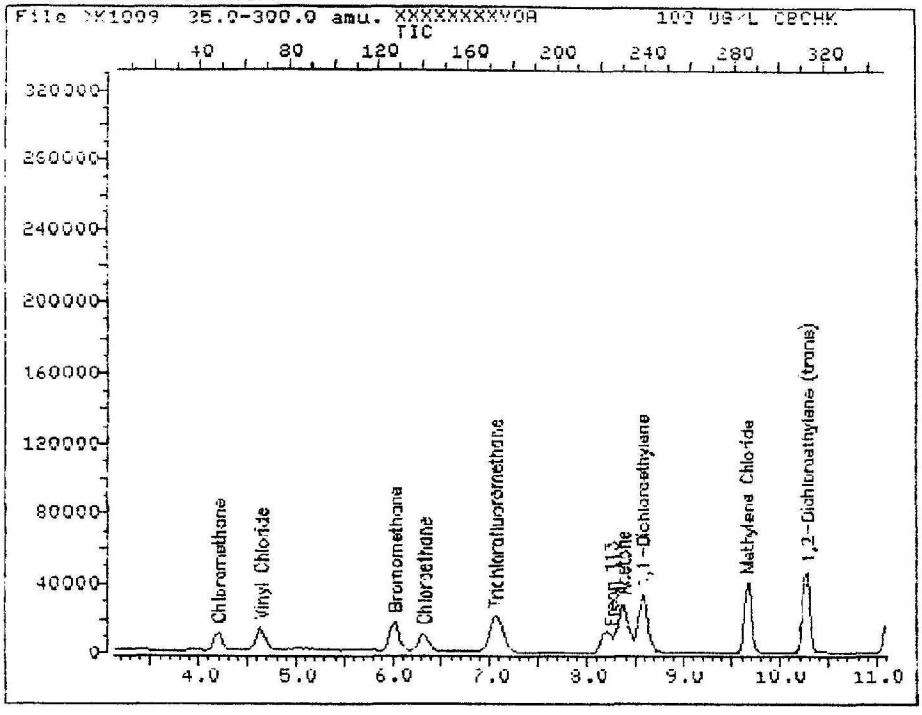
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.88	425	14842	50.00	ug/L	100
2)	Freon 113	8.25	224	13630	90.98	ug/L	87
3)	Chloromethane	4.20	48	35621	93.14	ug/L	95
4)	Bromomethane	6.02	127	35874	92.41	ug/L	82
5)	Vinyl Chloride	4.64	67	48335	97.21	ug/L	96
6)	Trichlorofluoromethane	7.06	172	91990	84.85	ug/L	93
7)	Chloroethane	6.32	140	33782	96.82	ug/L	96
8)	1,2-Dichloroethylene (trans)	10.28	312	47420	85.44	ug/L	97
9)	Methylene Chloride	9.66	285	47538	81.86	ug/L	95
10)	Acetone	8.37	229	126451	856.38	ug/L	84
11)	1,1-Dichloroethylene	8.58	238	45180	83.22	ug/L	94
12)	1,1-Dichloroethane	11.13	349	86041	86.22	ug/L	94
13)	1,2-Dichloroethylene (cis)	12.28	399	39388	88.01	ug/L	92
14)	Chloroform	12.58	412	85018	91.65	ug/L	97
15)	1,2-Dichloroethane-d4 (Surr)	13.90	469	29094	47.60	ug/L	85
16)	1,2-Dichloroethane	14.06	476	74970	86.60	ug/L	94
17)	*1,4-Difluorobenzene	14.59	499	68568	50.00	ug/L	97
18)	1,1,1-Trichloroethane (TCA)	13.34	445	81068	89.89	ug/L	79
19)	Carbon Tetrachloride	13.80	465	78025	89.37	ug/L	86
20)	Bromodichloromethane	15.95	558	76529	88.41	ug/L	92
21)	1,2-Dichloropropane	15.53	540	49893	89.05	ug/L	93
22)	1,3-Dichloropropene (cis)	16.92	600	75825	89.90	ug/L	95
23)	Trichloroethylene (TCE)	15.21	526	52434	87.51	ug/L	92
24)	Dibromochloromethane	19.13	696	59931	91.64	ug/L	98
25)	1,1,2-Trichloroethane	18.14	653	38941	85.21	ug/L	98
26)	Benzene	14.10	478	159073	92.06	ug/L	91
27)	1,3-Dichloropropene (trans)	17.82	639	84012	92.67	ug/L	81
28)	Bromoform	22.15	827	44967	91.96	ug/L	99
29)	*Chlorobenzene-d5	20.26	745	52547	50.00	ug/L	98
30)	Tetrachloroethylene	18.76	680	48010	94.92	ug/L	97
31)	1,1,2,2-Tetrachloroethane	22.40	838	54423	87.75	ug/L	95
32)	Toluene	17.54	627	100149	91.83	ug/L	93
33)	Toluene-d8 (Surr)	17.40	621	67905	50.32	ug/L	91
34)	Monochlorobenzene	20.33	748	110644	93.99	ug/L	92
35)	Ethylbenzene	20.40	751	58475	89.50	ug/L	94
36)	Xylenes (Total)	20.56	758	145479	277.31	ug/L	95
37)	Bromofluorobenzene (Surr)	22.61	847	31852	51.18	ug/L	96
38)	1,3-Dichlorobenzene	24.84	944	102878	93.57	ug/L	97
39)	1,4-Dichlorobenzene	25.07	954	103585	92.49	ug/L	99
40)	1,2-Dichlorobenzene	25.92	991	95597	92.84	ug/L	98

* Compound is ISTD

BNA02163045

HDMSe00351728

TOTAL ION CHROMATOGRAM

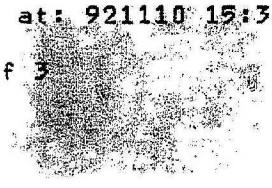


Data File: >K1009::D4 Quant Output File: ^K1009::QT
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 100 UG/L CBCHK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:50
Injected at: 921110 15:34

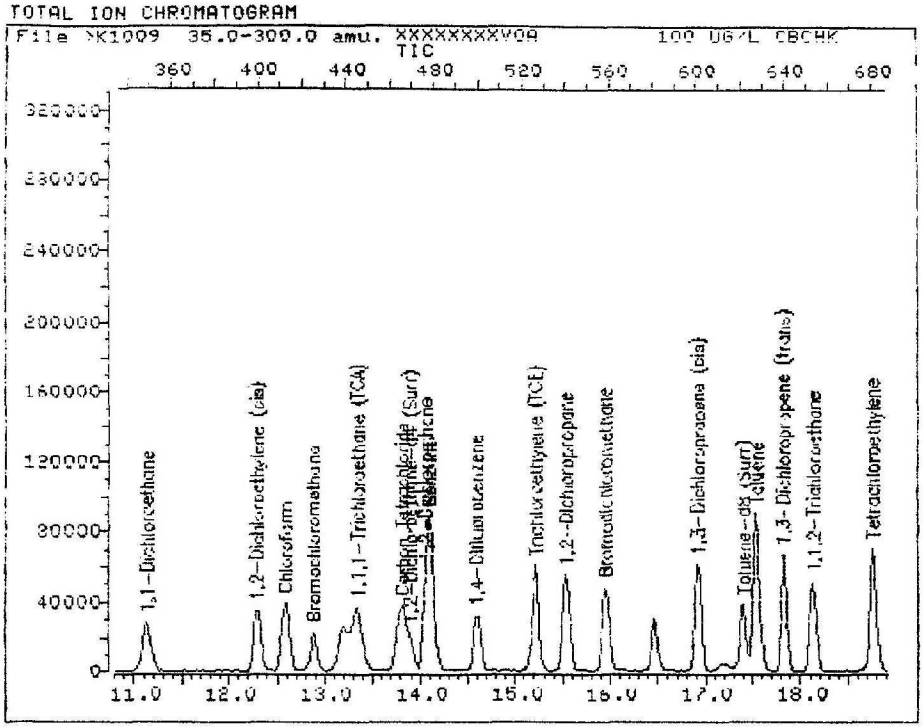
Page 1 of 3



BNA02163046

HDMSe00351729

TOTAL ION CHROMATOGRAM



Data File: >K1009::D4 Quant Output File: ^K1009::QT
Name: XXXXXXXXV0A Instrument ID: 5996B
Misc: 100 UG/L CBCHK

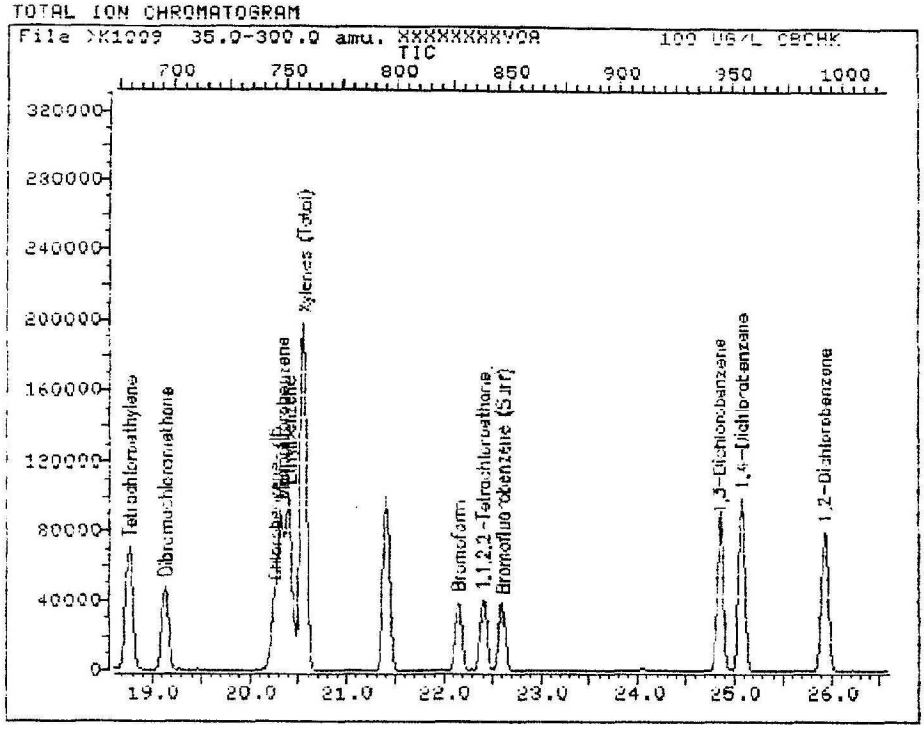
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:50
Injected at: 921110 15:34

BNA02163047

HDMSe00351730

TOTAL ION CHROMATOGRAM



Data File: >K1009::D4 Quant Output File: ^K1009::QT
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: 100 UG/L CBCHK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:50
Injected at: 921110 15:34

BNA02163048

HDMSe00351731

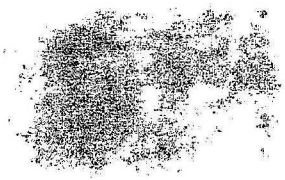
QUANT REPORT Page 1

Operator ID: VONNIE Quant Rev: 7 Quant Time: 921111 08:51
Output File: ^K1010::QT Injected at: 921110 16:38
Data File: >K1010::D4 Dilution Factor: 1.00000
Name: XXXXXXXXXVOA Instrument ID: 59968
Misc: BLANK

ID File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: none

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.87	425	28345	50.00	ug/L	100
9)	Methylene Chloride	9.67	286	1429	~~1.29~~	~~ug/L~~	83
15)	1,2-Dichloroethane-d4 (Surr)	13.89	469	67912	58.18	ug/L	86
17)	*1,4-Difluorobenzene	14.60	500	149476	50.00	ug/L	95
29)	*Chlorobenzene-d5	20.22	744	121182	50.00	ug/L	96
33)	Toluene-d8 (Surr)	17.37	620	154804	49.74	ug/L	90
37)	Bromofluorobenzene (Surr)	22.57	846	75418	52.54	ug/L	83

* Compound is ISTD



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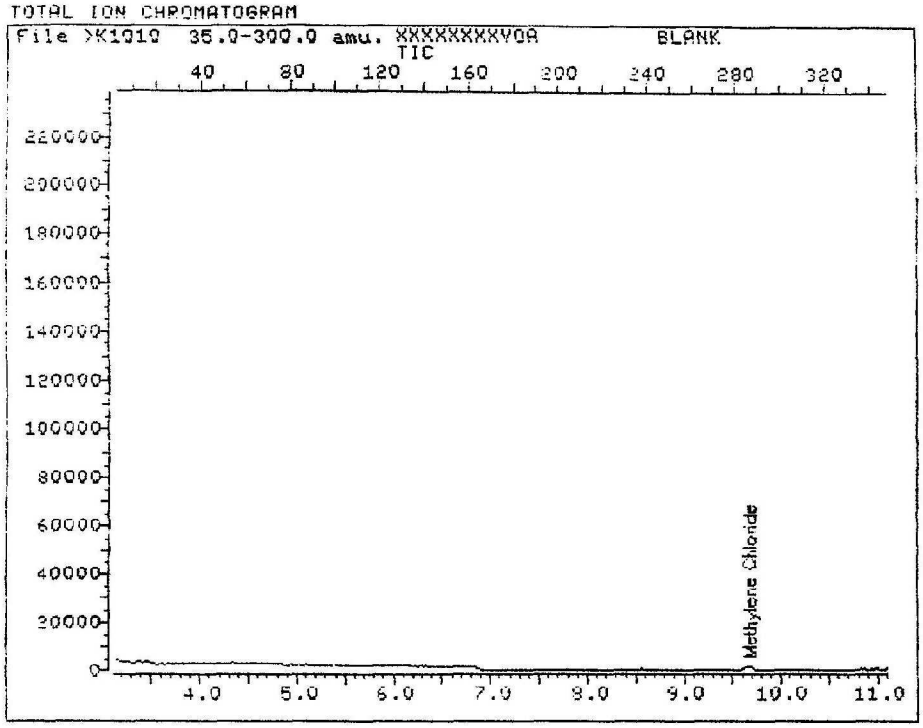
TOTAL ION CHROMATOGRAM



Data File: >K1010::D4 Quant Output File: ^K1010::QT
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: BLANK

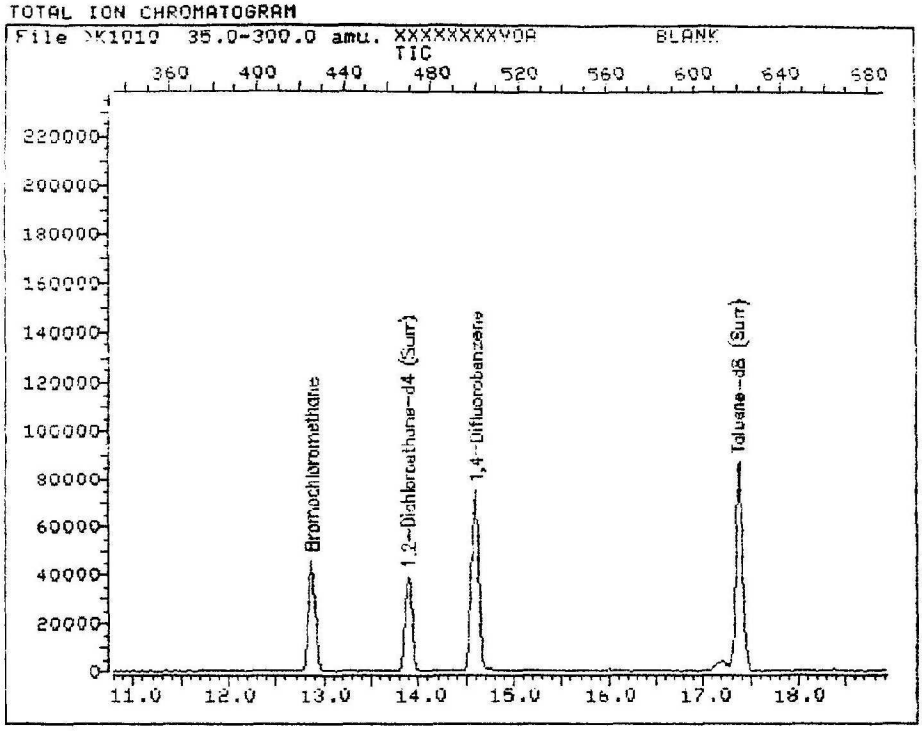
Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:51
Injected at: 921110 16:38

BNA02163050

HDMSe00351733

TOTAL ION CHROMATOGRAM



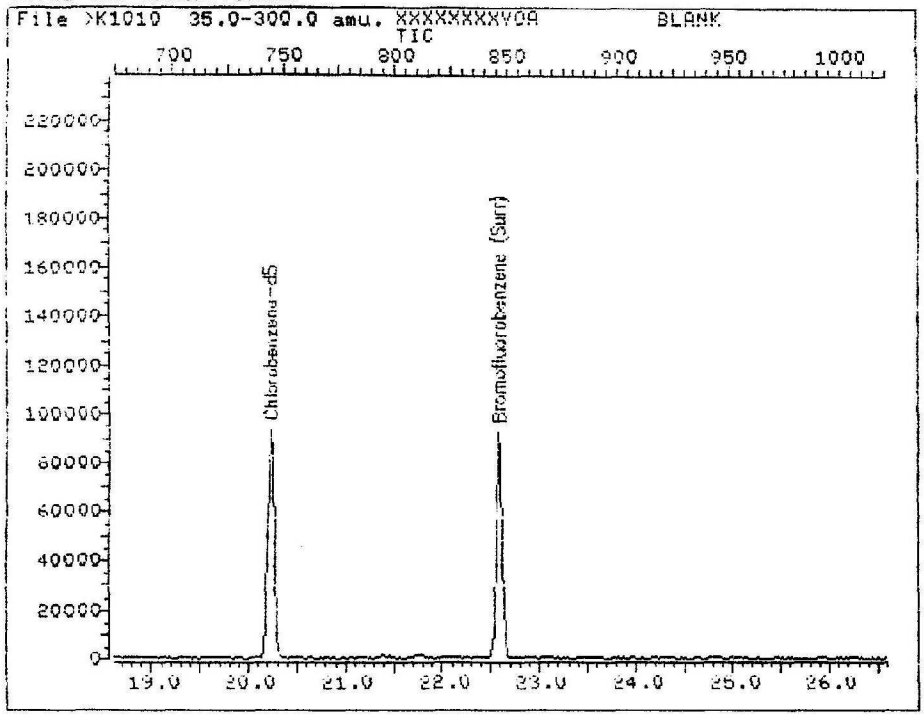
Data File: >K1010::D4 Quant Output File: ^K1010::QT
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:51
Injected at: 921110 16:38

BNA02163051
HDMSe00351734

TOTAL ION CHROMATOGRAM



Data File: >K1010::D4 Quant Output File: ^K1010::QT
Name: XXXXXXXXVOA Instrument ID: 5996B
Misc: BLANK

Id File: ID_K10::SC
Title: Vonnie's Awesome 5 Point Calibration Curve
Last Calibration: 921111 08:06 Last Qcal Time: <none>

Operator ID: VONNIE
Quant Time : 921111 08:51
Injected at: 921110 16:38

BNA02163052
HDMSe00351735